



# 2002 Annual Report

Benguet State University  
La Trinidad, Benguet  
[www.bsu.edu.ph](http://www.bsu.edu.ph)

Center of Excellence in Agriculture

## FOREWORD

Our efforts yielded fruitful outcomes in 2002 despite the pressing issues on global competitiveness and reduction in government budget subsidy for the University. However, through our concerted efforts and cooperation, the desired outcomes were attained.

We made efforts to meet the standards of accredited curricular programs and maintained the status as Center of Excellence in Agriculture. We improved the teaching and learning environment and built-up an Information Communication Technology (ICT) enriched educational venue. The faculty and support staff were given ample opportunities for professional growth and development. These efforts were done to enable the University to respond to the call of a globally competitive education.

We expanded our income generating projects and sought external financial support forging linkages inside and outside the country. This effort had augmented our financial needs amidst the decreasing budget subsidy from the national government.

We continue to intensify our effort in the pursuit for quality education.



**CIPRIANO C. CONSOLACION**  
President



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## EXECUTIVE SUMMARY

**Instruction.** In the undergraduate level, there are sixteen (16) bachelors, four post-bachelors and four pre-bachelors degree offered. In the Graduate School, there are six (6) masters and six (6) doctoral degrees offered. The Open University offers also graduate degree and diploma courses. The BS in Entrepreneurial Technology offered by the College of Home Economics and Technology is on its third year of implementation while the BS in Animal Technology offered by the College of Veterinary Medicine is being phased out. There is a new master's program. MS in Mountain Engineering in coordination with BCF and SLU.

The total enrolment for the first semester 2002-2003 is 8,292. Enrolment increased by 3.4% over that of the first semester 2001-2002.

There was an average increase of 17.97% of number of graduates over that of last school year. The Graduate School graduates increased by 33.3%. There were 21 honor graduates (*cum laude*). The passing rate for the licensure/board examination given by the PRC was higher than the national passing. Eight undergraduate and four graduate programs were re-accredited (Level II) by AACCCUP and four undergraduate programs for accredited (Level II) status.

There are 313 faculty members, 34.41% instructors; 24.44%, assistant professors; 22.83%, associate professors; and 18.33%, professors. As of the second semester 2002-2003, 39% of the faculty master's degrees. 25%, doctorate degrees, 1% with post doctoral research training and the rest have bachelor's degrees

**Research and Extension.** Of the 91 research programs, projects and studies implemented, 18% were completed. These research and extension (R&E) activities were undertaken by the research centers and institutes and the colleges. Special research projects were conducted by these units were funded by outside funding agencies such as DA-CAR, DA-BAR, PhilRice, PCAMRD-DOST, IRRI and the PIUC.

The continuing extension programs, projects and activities undertaken were: BSU on the Air, Training and Outreach Projects, BSU sa Barangay/BSU Quick Response Services (QRS) and Participatory Technology Adoption (PTAP). The BSU Research Journal, Graduate Research Journal, and Rangtay and Shamag Newsletters were published regularly. The Colleges and some special projects published their own newsletters and information education communication (IEC) materials.

**Internal Governance.** The Benguet School of Arts and Trade (BSAT) was integrated to the University on 25 January 2002, now known as the BSU-Bokod Campus. The other external Campus, the BSU-Buguias Campus is on its second year of integration.

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A continuous staff development program was implemented during the year, where seven (7) faculty and support staff pursued advance degrees and training. This included sabbatical and rest and recreation privileges availed by the faculty and staff. Seven (7) in-house trainings/ seminars/ workshops were conducted for the staff in coordination with CSC, DBM, NCC and COA.

Twenty (20) faculty and staff attended international trainings/ conferences/ workshops which were either fully or partially funded by the sponsors. There were 159 faculty and 99 staff, who received the step increment incentive and loyalty/service awards. Three (3) faculty members received prestigious awards as follows: Dr. Cipriano C. Consolacion - CSSP Distinguished Science Fellow Award; Dr. Lita M. Colting – Metrobank Foundation, Inc. 2002 Outstanding Teacher; and Prof. Silvestre L. Kudan – 2<sup>nd</sup> Place PCARRD Professional Broadcast Media Award.

The rehabilitation of the University water system is on going and about 20% was completed. Three (3) vehicles were purchased from the income. Perimeter fencing is a continuing infrastructure project to protect the University properties.

New linkages were forged which helped in the acquisition of physical resources and development of human resources. These linkages augmented the budgetary requirements of the University, which contributed about 4.5% of the total budget, while the income generating projects contributed about 11.26%.

**External Campuses** The BSU-Buguias Campus on its second year of integration has a total enrolment of 722 with 65 employees. Research activities included researches on Japanese vegetables, chrysanthemum and sasso in cooperation with the Main Campus, JICA-CDA and DA-CAR. Extension activities were undertaken in cooperation with TESDA, DOLE-CAR, DepEd-CAR and PILCD. Several equipment and vehicles were acquired through linkages with government and non-government agencies. In the Main Campus, four vehicles were acquired for instructional purpose. Production projects on cutflower, potato and piggery were established.

The BSU-Bokod Campus, a newly integrated college has a total enrolment of 833 with 54 employees. There were 69 graduates of BSIE and BSIT. It published the BSAT Digest and *Saleng* (campus journal). Linkages were forged and extension activities were undertaken in cooperation with TESDA, ERP-CASCADE, POP-COM, NIPAP, Red Cross, DA-Benguet, BFAR and LGU. It acquired 2 vehicles and other equipment from the Main Campus for instructional purpose.

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## INTRODUCTION

The Benguet State University is an institute of higher learning in the Cordillera Administrative Region (CAR). The Main Campus is located in the heart of La Trinidad Valley, Benguet Province, about five kilometers away from Baguio City. From Manila, it takes about seven hours by land and one hour by commercial plane.

There are two external campuses, the Buguias Campus and Bokod campus. The Buguias Campus was integrated to the University in May 2001, which is located at Loo Valley, Buguias, Benguet, about 90 kilometers away from the Main Campus. The Bokod Campus was integrated in January 2002 and is located at Ambangeg, Daclan, Bokod, Benguet and about 75 kilometers away from the Main Campus.

The University began as an agricultural school in 1916 and eventually became the Center of Excellence in Agriculture in 2001. As a State University, its functions include instruction, research, extension and production. It is guided by its vision, mission and goals:

*Vision* : The Benguet State University is a dynamic center of excellence and a model educational institution in a sustainable environment where moral values, culture and arts thrive;

*Mission* : The Benguet State University is committed to propel development through its fourfold functions : instruction, research, extension and production. To realize these, the University shall have its major programs accredited, strengthen its institutional capability, empower its faculty, staff and students and broaden its linkages and networks;

*Goals* : The goals are quality and relevant curriculum; globally competitive graduates; enriched learning environment, empowered faculty with improved competence in facilitating and evaluating learning; quality research and functional extension and community service; and efficient resource utilization and high productivity.

There are eight colleges and two academic institutes as: College of Agriculture, Arts and Sciences, Engineering and Applied Technology, Forestry, Home Economics and Technology, Nursing, Teacher Education, Veterinary Medicine, Physical Education and Sports and Public Administration. Graduate education is provided by the Graduate School while distance learning by the Open University.

The research centers and institutes are: Horticulture Research and Training Institute, Institute of Highland Farming Systems and Agroforestry, Institute of Highland Policy Studies and Socio-Economic Research and Development and Northern Philippines Root Crops Research and Training Center.



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# INSTRUCTION

## ■ ACADEMIC PROGRAMS

The University offers undergraduate and graduate degree programs, including basic education. At the undergraduate level, are sixteen bachelors, and four pre-bachelors, and four post-bachelors degree. The Graduate School offers six master's and six doctorate degrees. The Open University offers also master's degrees and diploma courses. The undergraduate and graduate degrees offered by the academic units are:

### *Undergraduate Degree Programs*

- College of Agriculture (CA)
  - Bachelor of Science in Agriculture (BSA)
  - Bachelor of Science in Agribusiness (BSAB)
  - Bachelor of Science in Development Communication (BSDC)
  - Diploma in Agro-forestry (DAF)
  
- College of Arts and Sciences (CAS)
  - Bachelor of Science in Applied Statistics (BSAS)
  - Bachelor of Science in Environmental Science (BSES)
  - Bachelor of Science in Information Technology (BSIT)
  
- College of Engineering and Applied Technology (CEAT)
  - Bachelor of Science in Agricultural Engineering (BSAEng'g)
  - Certificate in Basic Automotive Technology
  - Certificate in Advanced Automotive Technology
  
- College of Forestry (CF)
  - Bachelor of Science in Forestry (BSF)
  - Forest Ranger Certificate Course
  
- College of Home Economics and Technology (CHET)
  - Bachelor of Science in Home Economics (BSHE)
  - Bachelor of Science in Nutrition and Dietetics (BSND)
  - Bachelor of Science in Entrepreneurial Technology (BSET)
  
- College of Nursing (CN)
  - Bachelor of Science in Nursing (BSN)
  
- College of Teacher Education (CTE)
  - Bachelor of Elementary Education (BEE)
  - Bachelor of Secondary Education (BSE)
  - Bachelor of Science in Agricultural Education (BSAE)

Basic Education in the Laboratory School  
Pre-elementary Education

- College of Veterinary Medicine (CVM)  
Doctor of Veterinary Medicine (DVM)
- Institute of Physical Education and Sports (IPES)  
Diploma in Physical Education
- Institute of Public Administration (IPA)  
Certificate in Public Administration  
Diploma in Public Administration

### ***Graduate Degree Programs***

Doctor of Education  
Educational Management

Doctor of Philosophy  
Agricultural Education  
Agronomy  
Educational Management  
Horticulture  
Language Education  
Rural Development  
Science Education

Master in Public Administration

Master of Arts in  
Applied Statistics  
Chemistry  
English as a Second Language  
Filipino as Second Language  
General Science  
Technology & Home Economics  
Home Economics  
Physics  
Physical Education  
Social Studies

Master of Arts in Education, major in  
Contextualized Instruction  
Educational Administration and Supervision  
Elementary Education  
Guidance and Counseling

Master of Forestry  
Silviculture  
Watershed Management

Master of Resource System Management

Master of Science  
Agricultural Economics  
Extension Education

Agricultural Education  
Agronomy  
Animal Science  
Biology  
Entomology

Forestry  
Horticulture  
Plant Pathology  
Rural Development  
Soil Science

Master of Science in Mountain Engineering ( in coordination with SLU and BCF)

### ***Open University (OU) Programs***

Master in Community Development  
Master in Cooperative Management  
Master in Development Communication  
Master in Non-Formal Education  
Master in Human Resource Development  
Master in Urban Management

Diploma in Training Management  
Diploma in Urban Management

Apart from the regular course offerings, the main campus offers the following English training for foreign students:

- Japanese Functional English and Experiential Learning Course (JFEELC)
- BSU-SNU Functional Intensive English Training Program (FIETP)

## **■ FACULTY PROFILE**

During the 1<sup>st</sup> semester of school year 2002-2003, there were 291 regular and 20 contractual making a total of 311 faculty members. For the second semester, it increased to 313. The distribution of faculty members by units is shown in Fig 1.1. Figures 1.2 and 1.3, show the regular faculty by academic rank and by highest educational attainment, respectively.

During the first semester, 34.41% of the regular faculty were instructors; 24.44%, assistant professors; 22.83%, associate professors; and 18.33%, professors. By the second semester, the instructors and assistant professors increased slightly to 36.10% and 24.60%, respectively, while the associate professors and professors decreased, due to promotion and retirement.

Figure 1.3 shows the proportion of regular faculty by highest educational attainment. During the first semester, about 38% of regular faculty have master's degrees, 35% have bachelor's degrees, while 26% have doctorate degrees. For the second semester, the proportion of master's degree holders increased to 39%, while the doctorate degree holders decreased by 25%. Some faculty members completed MS/MA degree but some faculty member with Phd/EdD degree retired during the year.

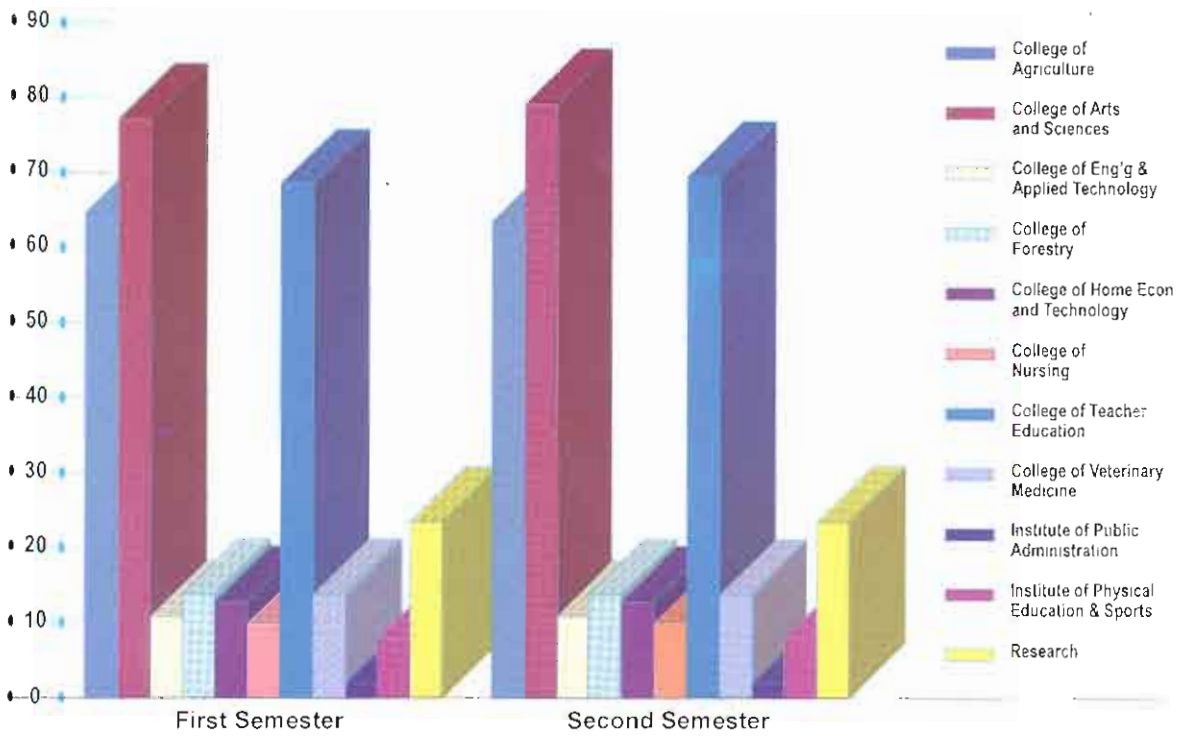


FIGURE 1.1  
Faculty by units, 1st and 2nd semester 2002-2003

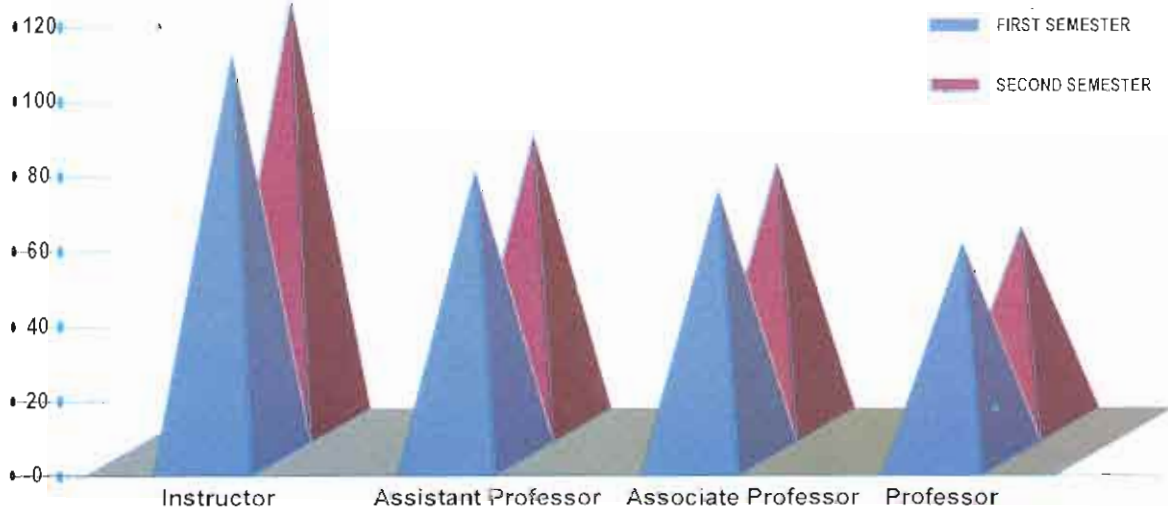


FIGURE 1.2  
Regular faculty by academic rank, school year 2002-2003

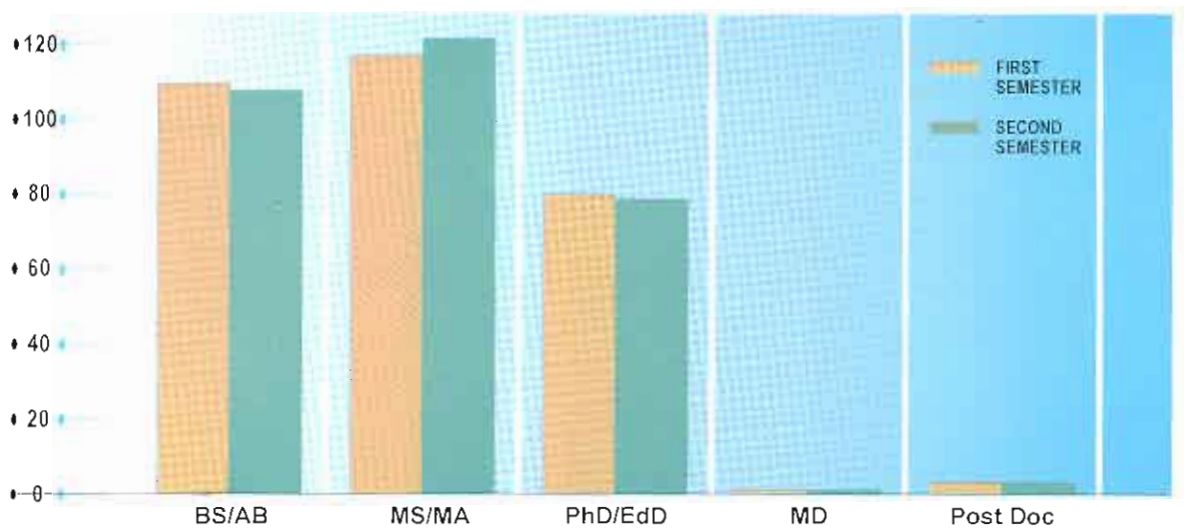


FIGURE 1.3  
Regular Faculty by highest educational attainment, School year 2002-2003

## ENROLLMENT

The enrolment data are shown in Figure 1.4 to 1.5 and Tables 1.1 to 1.5. There was a 3.4% increase in enrollment from the first semester of 2001-2002 compared to the enrollment in the first semester of 2002-2003. The distribution of enrollees in the different undergraduate programs is presented in Figure 1.5.

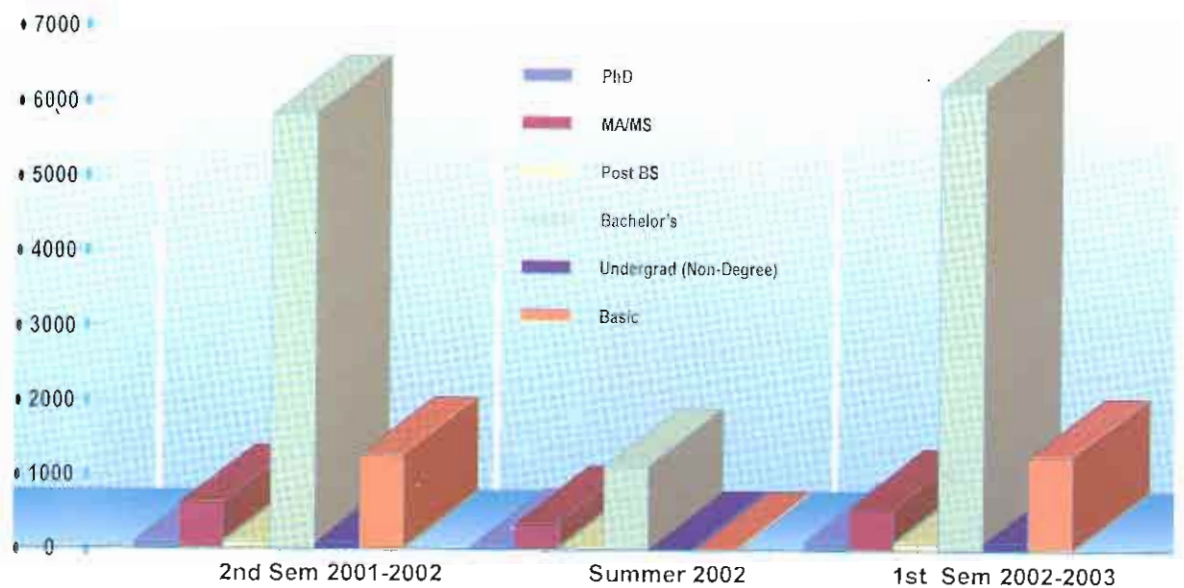


FIGURE 1.4  
Enrollment for 2002

TABLE 1.1 Enrollment trend

	1ST SEM, 2000-2001	1ST SEM, 2001-2002	1ST SEM, 2002-2003
PhD	129	114	117
MA/MS	554	532	553
Post-BS	(data not separate)	114	101
BS	5438	5910	6173
Post High School diploma & certificate	(data not separate)	95	95
Basic	1266	1252	1253
Total	7645	8017	8292
Increase		(4.9% increase)	(3.4% increase)

TABLE 1.2. Graduate School enrollment for doctorate degree

PROGRAM	2ND SEM, 2001-02	SUMMER 2002	1ST SEM, 2002-03
PhD Agricultural Education	2	0	3
PhD Agronomy	6	1	7
PhD Educational Management	0	0	4
PhD Horticulture	2	1	5
PhD Rural Development	38	14	52
PhD Language Education	5	2	5
PhD Science Education -Biology	6	0	5
Doctor of Education	51	15	36
Total	110	33	117

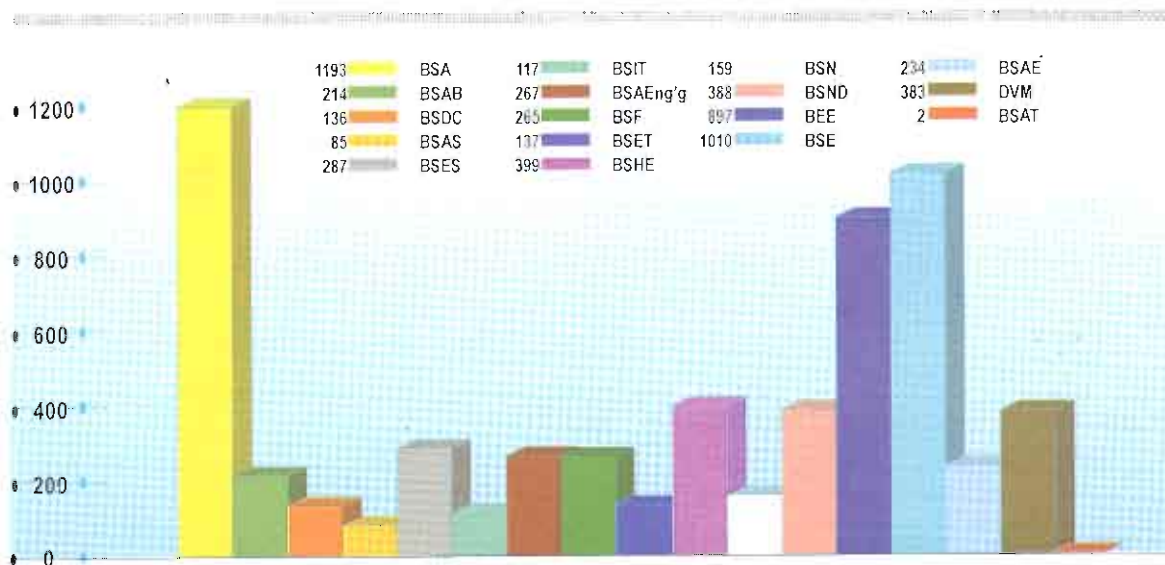


FIGURE 1.5 Enrollment in the undergraduate programs, First Semester 2002-2003

TABLE 1.3. Graduate School enrollment for master's degrees

PROGRAM	2ND SEM 2001-2002	SUMMER 2002	1ST SEM 2002-2003
Master of Science (MS)			
Agricultural Education	8	5	9
Agricultural Economics	1	0	1
Agronomy	7	0	4
Animal Science	8	1	4
Biology	25	7	16
Entomology	2	2	10
Forestry: Silviculture	3	0	3
Watershed Management	15	4	15
Horticulture	10	0	8
Plant Pathology	11	1	11
Rural Development	34	10	25
Soil Science	5	0	3
Master of Arts in Education (MAED)			
Contextualized Instruction	6	5	6
Educational Adm. & Supervision	42	32	51
Elementary Education	89	63	78
Guidance and Counseling	15	5	15
Master of Arts (MA)			
Applied Statistics	9	1	8
Chemistry	9	3	10
English as a Second Language	30	30	28
Filipino as a Second Language	17	22	14
General Science	10	9	7
Home Economics	18	8	14
Mathematics	23	16	32
Physical Education	57	51	67
Physics	7	3	3
Social Studies	5	18	20
Technology and Home Economics	27	5	5
Master in Public Administration	94	41	83
Master of Resource System Management	9	0	3
GRAND TOTAL	596	342	553

TABLE 1.4. Enrollment in diploma courses

PROGRAM	2ND SEM 2001-2002	SUMMER 2002	1ST SEM 2002-2003
Diploma in Agro-forestry	70	24	87
Diploma in Physical Education	15	15	14
TOTAL	85	39	101

TABLE 1.5. Enrolment in post high school certificate and other classes

PROGRAM	2ND SEM 2001-2002	SUMMER 2002	1ST SEM 2002-2003
Certificate in Automotive Mechanics	31	0	52
Forest Ranger Certificate Course	44	6	43
Cross-enroll	29	3	23
Special Class	0	0	51
<b>TOTAL</b>	<b>104</b>	<b>9</b>	<b>169</b>

## GRADUATES

The number of graduates in the different academic programs of the university is presented in Figures 1.6 – 1.7 and Tables 1.6 to 1.9. A total of 1,313 students graduated in 2002, as shown in Table 1.6. The graduation trend is shown in Table 1.6, where the increase in Ph.D. graduates was the highest at 33.3%.

The number of graduates in the graduate programs is shown in Table 1.7 and the number of graduates in the certificate and diploma offerings is shown in Table 1.8. At the Graduate Level, the Master of Arts program had the highest number of graduates. Figure 1.7 shows the number of graduates in the undergraduate degree programs, while Table 1.8 shows the relative percentage of graduates per bachelor's degree program. At the Bachelor's degree level, Bachelor of Secondary Education had the greatest total number of graduates (168), followed by Bachelor of Science in Agriculture (161), then by Bachelor of Elementary Education (138).

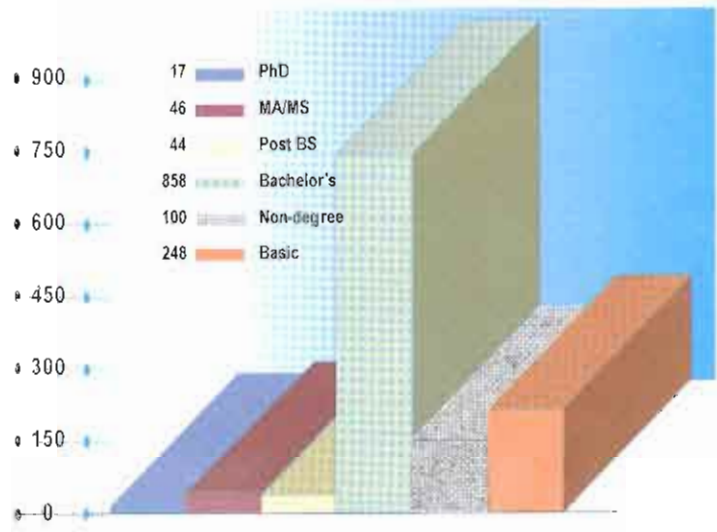


FIGURE 1.6  
Total Graduates for 2002

TABLE 1.6. Graduation trend

	2001	2002	% CHANGE
PhD	15	17	33.3 increase
MA/MS	41	46	12.2 increase
Post-BS	36	44	22.2 increase
Bachelor's	690	858	24.4 increase
Undergrad (non-degree)	77	100	29.9 increase
Basic	254	248	2.36 decrease
<b>TOTAL</b>	<b>1113</b>	<b>1313</b>	<b>17.97 increase</b>



TABLE 1.7. Graduate School enrollment for master's degrees

PROGRAM	MARCH	MAY	OCTOBER	TOTAL
Post Doctorate (RD)	1	0	0	1
Doctorate Programs (PhD)				
Agricultural Education	0	0	0	0
Agronomy	0	0	0	0
Educational Management	1	0	1	2
Horticulture	0	1	0	1
Rural Development	3	2	0	5
Language Education	0	0	0	0
Science Education (Biology)	1	0	0	1
Doctorate Program (EdD)				
Educational Management	7	0	0	7
Master's Program (MS)				
Agricultural Education	2	0	1	3
Agricultural Economics	1	0	1	2
Agronomy	0	0	0	0
Animal Science	2	0	0	2
Biology	0	0	0	0
Entomology	0	0	0	0
Forestry a) Silviculture	1	0	0	1
b) Watershed Management	0	0	1	1
Horticulture	1	0	0	1
Plant Pathology	1	0	0	1
Rural Development	1	0	1	2
Soil Science	0	0	0	0
Master of Arts in Education				
Contextualized Instruction	0	0	1	1
Educational Adm. & Supervision	2	0	2	4
Elementary Education	2	0	0	2
Guidance and Counseling	0	0	0	0
Master of Arts (MA)				
Applied Statistics	1	0	0	1
Chemistry	0	0	0	0
English as a Second Language	0	0	1	1
Filipino as a Second Language	1	0	1	2
General Science	0	0	0	0
Home Economics	1	0	0	1
Mathematics	1	0	1	2
Physical Education	1	0	6	7
Physics	1	0	0	1
Social Studies	3	0	1	4
Technology and Home Economics	0	0	0	0
Master in Public Administration	5	0	2	7
Master of Resource System Management	0	0	0	0
GRAND TOTAL	40	3	20	63

TABLE 1.8. Number of graduates: Diploma and Certificate Courses

PROGRAM	MARCH	MAY	OCTOBER	TOTAL
Certificate in Public Administration	3	0	0	3
Diploma in Public Administration	15	0	0	15
Diploma in Agro-forestry	16	2	0	18
Diploma in Physical Education	1	6	1	8
<b>TOTAL</b>	<b>35</b>	<b>8</b>	<b>1</b>	<b>44</b>



FIGURE 1.7. Number of graduates in the different undergraduate degree programs

TABLE 1.9. Number of graduates: Undergraduate (Non-Degree)

PROGRAM	NO. OF GRADUATES
Associate in Entrepreneurial Technology	52
Certificate in Basic Automotive Mechanics	2
Certificate in Advanced Automotive Mechanics	28
Forest Ranger Certificate Course	18
<b>TOTAL</b>	<b>100</b>

## HONOR GRADUATES

The list of honor graduates for the year 2002 is shown in Table 1.10. The 21 honor graduates are distributed to the following degrees: BS Agriculture (7); Bachelor of Elementary Education (7); Bachelor of Secondary Education (5); BS Applied Statistics (1) and BS Home Economics (1).

TABLE 1.10. Graduates with honors and their degree

NAME OF STUDENT	DEGREE	HONOR
Aliping, Ricalyn R	BEE	<i>cum laude</i>
Ampaguey, Jonard W.	BSA	<i>cum laude</i>
Apse, Margie C.	BEE	<i>cum laude</i>
Ayawan, Tondo M.	BSE	<i>cum laude</i>
Bagayao, Edna B.	BEE	<i>cum laude</i>
Balinsoy, Delyne G.	BEE	<i>cum laude</i>
Bawang, Ederson G.	BSE	<i>cum laude</i>
Danagen, Irene W.	BSE	<i>cum laude</i>
Dominglos, Edna V.	BEE	<i>cum laude</i>
Esiong, Jenelyn K.	BSHE	<i>cum laude</i>
Gibson, Noreen J.	BSA	<i>cum laude</i>
Gumnad, Christi Anne S.	BSE	<i>cum laude</i>
Kebasen, Chester B.	BSA	<i>cum laude</i>
Ligat, Casmir S.	BSA	<i>cum laude</i>
Lopez, Ronald C.	BSA	<i>cum laude</i>
Rosario, Analiza C.	BSA	<i>cum laude</i>
Salamat, Ryan Jay V.	BEE	<i>cum laude</i>
Salcedo, Glory Ann Q.	BSA	<i>cum laude</i>
Tania, Sonia G.	BEE	<i>cum laude</i>
Victor, Jenny L.	BSE	<i>cum laude</i>
Wakat, Janice K	BSAS	<i>cum laude</i>

## PERFORMANCE IN LICENSURE/BOARD EXAMINATION

Table 1.11 shows the number and percentage of successful board passers for the different board examinations conducted by the Professional Regulatory Commission. Data available show that, except for the licensure examination for dietitians and nutritionists, BSU had higher passing rate compared to the national passing percentage.

TABLE 1.11 Board examination performance 2002

TYPE	No. of Examinees	No. of Passers	BSU Passing %	National Passing %
Agricultural Engineering	22	11	50.00	49.00
Dietician and Nutritionist	21	8	38.10	53.08
Forester	83	25	30.12	29.48
Home Economics - Elementary	39	32	82.05	35.86
Home Economics - Secondary	30	21	70.00	35.86
Nursing (March)	27	17	62.96	46.48
Teachers - Elementary	143	125	87.41	35.31
Teachers - Secondary	149	130	87.25	36.51
Teachers - Agricultural Education	34	28	82.35	36.51
Veterinarian	32	21	65.62	43.00

## ■ ACCREDITATION STATUS OF DEGREE PROGRAMS

### **Institutional**

The accreditation instrument for the National Agriculture and Fisheries Education System (NAFES) was pilot tested on September 25-27, 2002, in the College of Agriculture, being the Center of Excellence for Agriculture.

### **Degree Program**

As of December 31, 2002, eight undergraduate degree programs and four graduate programs have been re-accredited (Level II) by the Accrediting Agency of Chartered Colleges and Universities of the Philippines (AACUP). These are:

- Bachelor in Elementary Education
- Bachelor in Secondary Education
- Bachelor of Science in Agribusiness
- Bachelor of Science in Agriculture
- Bachelor of Science in Agricultural Education
- Bachelor of Science in Applied Statistics
- Bachelor of Science in Nursing
- Doctor of Veterinary Medicine
- Master of Science in Resource Management
- Master of Science in Agriculture
- Doctor of Philosophy in Horticulture
- Doctor of Philosophy in Rural Development

Four undergraduate degree programs have been accredited (Level II) by AACUP. These are:

- Bachelor of Science in Agricultural Engineering
- Bachelor of Science in Forestry
- Bachelor of Science in Home Economics
- Bachelor of Science in Nutrition and Dietetics

## ■ LIBRARY SERVICES

The University Library Services (ULS) provides support for the instructional, research and extension service capabilities of the University. The library holdings in 2002 increased through purchase, donation and exchange program (Table 1.12). Most of the books (89.12%) were acquired through the Philippine Inter-University Cooperation (PIUC) project

The Virtual library was inaugurated in 12 January 2002 during the University Day. It is supported also by the PIUC. Library users in Virtual library were assisted in its use.

TABLE 1 12. **Library holdings acquired in 2002**

LIBRARY HOLDINGS	NUMBER
1. Books	1,287 volumes
2. Journal Subscription	62 titles
3. Electronic N (VHS), Digital (CDROMS), CDROM Databases	83 titles
4. SPSS Perpetual license network version	1 version

## ■ HEALTH SERVICES

The University Health Services (UHS), composed of the medical and dental sections, cater to the health needs of students, faculty and staff, including their dependents and other members of their households. Occasionally non-BSU personnel like school visitors and residents in nearby barangays go to the Medical-Dental Clinic for treatment. Some of the activities were:

- Information campaign against Dengue Fever and mosquito-borne and water-borne diseases, lifestyle diseases and even mental health
- Dental cleaning at the elementary clinic with the Dentistry students of the Pines City Colleges
- Oral Polio Vaccine given to children below 5 years of age jointly with DOH-CAR and the Rotary Club International
- Free consultation sponsored by Bawas Taba Dagdag Ginhawa program with Dr. Dumaguing and laboratory tests on cholesterol, blood sugar, body mass Index (BMI) determination and electrocardiography (ECG)
- Medical mission at Beckel Elementary School with the College of Veterinary Medicine sponsored by the Rotary Club of La Trinidad and HEDCOR
- Distribution of Vitamin A capsule to Kindergarten pupils of BSU and Stool examination for same kindergarten and first grade pupils in coordination with the Rural Health Unit of La Trinidad

## ■ STUDENT SERVICES

The Office of Student Affairs (OSA) facilitated the personal growth and development of students. These services were delivered through the various offices and units composed of OSA: Guidance and Counseling Office; Student Financial Aid Office; Testing, Research and Materials Development Office; Student Development Office; Placement Office; OSA Satellite Offices; and, the Residence Halls.

There were 64 student organizations in the year 2002: 4, mandated organizations; 9, non-affiliated; 11, religious in nature; and 2, athletic category. In the Colleges, there were 38 organizations, with CA having the most number (12); GS and CN had one each.

## SCHOLARSHIPS

Scholarships availed and the number of students awarded the scholarships are shown in Table 1.13.

These scholarships and grants fall into three categories, namely: government/national scholarships and grants, private sponsored scholarships and grants and institutional scholarships and grants.

TABLE 1.13. Undergraduate student scholarships

SCHOLARSHIP	1ST SEM	2ND SEM
<b>Government/National Scholarships and Grants</b>		
Department of Science & Technology	7	5
State Scholarship Program	12	13
National Integration Study Grant Program	19	23
Selected Ethnic Group Educat'l Assistance Program	18	26
Special Study Grant Program	34	34
National Commission on Indigenous Peoples	8	0
<b>Private Sponsored Scholarships and Grants</b>		
Sen. Teresa A. Oreta Scholarship	0	5
ZONTA	9	2
FPAMS-NJ	1	1
Phil-Am Aggies Association USA	2	8
LEAP-IBP	28	0
Cesaria Romero Gil Foundation	0	2
<b>Institutional Scholarships and Grants</b>		
Supreme Student Council	7	6
Academic	18	39
Entrance	29	0
Mt. Collegian	7	9
ROTC	17	13
Athletics	30	64
Glee Club	10	11
Dulaang Filipiniana	0	12
Rondalla	11	22
Kontad	12	9
Band	9	0
CHED-DILG	1	1
Employee Dependents	43	52
SK/DILG Dependents	131	228
<b>TOTAL</b>	<b>463</b>	<b>585</b>

## STUDENT AWARDS

Awards received by students in different competitions are shown in Table 1.14. Majority of the awards were in athletic competitions.

TABLE 1.14. Awards received by students

AWARD	AWARDEE
13th place, Ten Outstanding Students of the Philippines — National Level	Ederson G. Bawang (BSE)
Ten Outstanding Students of the Philippines — Cordillera Administrative Region	Karen Gale C. Pachao (BSN) Ederson G. Bawang (BSE) Cheryl J. Galnawan (DVM)
Gold Medalist, Taekwondo (National)	Ronald Caaya (BSE)
1st place, Baguio Milo Marathon	Marychiel Minas (BSE)
1st place, Baguio Milo Marathon (10 K).	Desenio Kililit (BSA)
2nd place, Long Jump, National Track and Field Open	Jason Oribello (BSE)
2nd place, Rodeo competition, Tuao, Cagayan	CVM Students
2nd runner-up, Rodeo competition, GAUF	CVM Students
5th place, National Milo Marathon	Marychiel Minas (BSE)
8th place, National Milo Marathon (10 K)	Desenio Kililit (BSA)

The  
YEAR  
that  
was...

2002

National Statistics Month Celebration



16th Charter Day (Glee Club)

Graduation March 2002



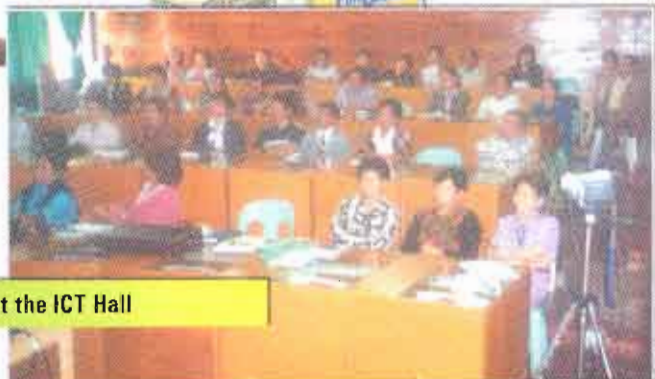
Graduates of the Graduate School



Environmental Science Week



Opening Program of the NAFES Pilot Test at the ICT Hall





## RESEARCH AND EXTENSION

### RESEARCH PROGRAMS, PROJECTS AND ACTIVITIES

A total of 91 research projects and studies were implemented in 2002 with funding support from the University budget allocation from the national government and outside funding agencies. Special R & E projects were funded by DA-CAR, DA-BAR, PhilRice, PCAMRD, IRRRI and the Philippine Inter University Cooperation (PIUC).

**Completed and On-going researches.** The status of the researches conducted by the R & E centers and institutes and colleges are presented in Tables 2.1 to 2.3.

TABLE 2.1. Researches of research centers and institutes

INSTITUTE OF HIGHLAND POLICY STUDIES AND SOCIO-ECONOMIC RESEARCH AND DEVELOPMENT (IHPSSERD)			
TITLE OF RESEARCH & NAME OF RESEARCHER/S	Duration	Status*	Completion
Agro-ecosystem Analysis of BSU Land Reservation ~ F. Calora et al.	Sept 2002 - Sept 2004	New	
GIS-Based Crop Zonification System for Benguet Province ~ R. Colting et al.	Sept. 2002 - Sept. 2004	New	
<i>Limonium</i> sp Research and Development Program ~ V. Alejandro et al	Sept 2002 - Sept. 2004	New	
Socio-Economic Valuation of the Proposed BSU Biodiversity Centrum ~ D. Tagarino	Nov 2002 - Nov. 2003	New	
Market Research and Development for Clean Vegetables ~ D. Tagarino	2000	ID	
Production and Marketing of Organically-Grown Vegetables ~ D. Tagarino	2000 - 2003	ID	
Consumer Awareness, Attitude and Willingness Survey for Clean Vegetables ~ D. Tagarino	2002 - 2003	ID	Completed
Continuing Evaluation of the Profitability of Broccoli Production ~ D. Tagarino et al	2001 - 2002	ID	Completed
Obtaining Conditions of Women and their Households Engaged in Potato Production in Two Communities of Buguias, Benguet in the Context of Liberalization Policy in Agriculture ~ R. Batani	Nov. 2001 - June 2002	ID	Completed
Homegardens as a Household Coping Strategy: A view from the Policy Environment ~ R. Mula	June 2001 - Aug. 2001	ID	Completed

**INSTITUTE OF HIGHLAND FARMING SYSTEM AND AGROFORESTRY (IHFS)**

TITLE OF RESEARCH & NAME OF RESEARCHER/S	Duration	Status*	Percent Completion
<b>Ten Year Coffee Rehabilitation &amp; Development Project in Benguet and Mt. Province</b> ~ V. Macanes et al.	Aug. 1998 - 2007	TV TD	60
<b>Isolation and Antibiotic Sensitivity Testing of Pathogenic Microorganisms of Swine</b> ~ C. Battad et al.	Jan. 2001 - Dec. 2003	TV	50
<b>Integration of Livestock and Poultry Production in Agroforestry Systems</b> ~ S. Maddul, M. Atinyao, C. Deponio, B. Luis, J. Wakat, M. Walsiyen	1999-2003	TG TV	75
<b>Management of Diseases in Organically Grown Vegetables</b> ~ A. Nagpala	2002-2003	TV	70
<b>Integrated Soil Productivity Management</b> ~ R. Colting, E. Dayap	2001-2003	TV	50

**HORTICULTURE RESEARCH AND TRAINING INSTITUTE (HORTI)**

TITLE OF RESEARCH & NAME OF RESEARCHER/S	Duration	Status*	Percent Completion
<b>Integrated Pest Management (IPM) on Selected Vegetable Crops</b> ~ E. Cardona Jr. et al.	1998 - 2002	TD, TA,TV	80
<b>Development and Piloting of Improved Varieties of Garden Pea</b> ~ L. Tandang et al.	Jan 1999 - 2003	TA, TD	50
<b>Strawberry Variety Development Program</b> ~ D. Padua	Jun1999 - 03	TG, TA	50
<b>Biological Control of Phytophagus Mites and Aphids in Selected Crops in the Cordillera</b> ~ L. Colting et al.	1999-2003	TG, ID	60
<b>Chayote Research &amp; Development</b> ~ J. Ligat, F. Bawang	1999-2003	TD, TA	70
<b>Development of Market-Oriented Cropping Schemes on Vegetable Crops</b> ~ P. Alipit	Jan 1996- Dec 2003	TD, TA, TV	60
<b>Collection, Evaluation and Introd'n of New Varieties of Roses under Benguet Condition</b> ~ A. Ladilad	Sept 2000	TG, TD	60
<b>Postharvest Handling, Processing and Product Development for Highland Vegetables</b> ~ V Salda	July 2001- Dec. 2005	TG, TD	40
<b>Biological Control of Mites-Joint Project with LGU-LT, BSU Benguet and DA-CAR</b> ~ L. Colting	2002-2005	new	30
<b>Limonium sp. R and D Program</b> ~ V. Alejandro	2002-2005	new	30
<b>Efficacy of Match 10 EC Against Diamond Backmoth</b> ~ E. Cardona	Jan-Mar 02	TD, TA	completed
<b>Efficacy of Proclaim 05 SG Against Diamond Backmoth</b> ~ E. Cardona Jr.	Jan-Mar 02	TD, TA	completed
<b>Field Evaluation of the Efficacy of a New Fungicide Against Phytophthora Infestans in Potato</b> ~ L. Villanueva	Dec. 2001 - Mar 2002	TD, TV	completed
<b>Field Evaluation of Selected Strawberry Crosses</b> ~ D. Padua	2001-2003	TA	40

**NORTHERN PHILIPPINES ROOT CROP RESEARCH AND TRAINING CENTER (NPRCRTC)**

TITLE OF RESEARCH & NAME OF RESEARCHER/S	Duration	Status*	Percent Completion
<b>Evaluating Organizational Capacity Development for Participatory Research</b> ~ J. Perez et al.	2000 - Dec. 2002	ID	For completion
<b>Varietal Improvement of Sweetpotato in the Philippine Highlands</b> ~ Ines Gonzales et al.	1999 - 2004	TV, TD	70%
<b>Contribution of Production, Processing &amp; Consumption of Sweetpotato on Income &amp; Nutrition of Selected Households, Children &amp; Consumer Groups</b> ~ Betty Gayao et al.	Jan. 2001 - Dec. 2002	TD	75%
<b>Taro Research and Development Program</b> ~ H. Quindara, I. Gonzales et al.	2000 - 2004	TV, TA	70%
<b>Potato R and D Improvement of the Potato Seed Production Technology in the Phil.</b> ~ J. Perez et al.	April 2001 - March 2004	TV, TA, TD	60%

\* ID - Information Dissemination; TV - Technology Verification;  
 TG - Technology Generation; TD - Technology Dissemination

**TABLE 2.2. Special Projects**

TITLE OF RESEARCH & NAME OF RESEARCHER/S	Duration	Status*	Percent Completion
<b>Project Monitoring and Evaluation (PBME) of CHARMP</b> ~ C. Consolacion, R. Colting, T. Merestela, R. Mula, et al	Jan. 4, 2002- Jun 11, 2002	TD	90
<b>Philippine Institutional-University Cooperation (PIUC)</b> ~ D. Tagarino, F. Naje, N. Claravall, R. Colting et al.	Mar 19, 2001- Mar 18, 2002	TV, TD	Phase II
<b>Cordillera Highland Water Resources Management (CHINWAREM)</b> ~ C. Consolacion, T. Merestela, et al.	Mar 2001	TV	50
<b>Comprehensive Irrigation Research and Development Umbrella Program (CIRDUP)</b> ~ G. Macasieb Jr., et al.	Aug. 4, 1998- Dec. 2002	TV, TD	90
<b>Varietal Improvement of Highland Vegetable Crops (IPB Project)</b> ~ L. Tandang, et al.	1994 - Continuing	TD, TA	50
<b>Rice-based Key Commodity System Technology Transfer Start-up Project for the Cordillera</b> ~ C. Consolacion, Z. Macasieb, et al	Aug. 1998- Sept 2002	TA	80
<b>Fungal Hyperparasites and Bacterial Antagonists as Component of Integrated Disease Management Program of Chrysanthemum White Rust</b> ~ L. Villanueva	1999-2003	TA	80
<b>Development of Rice Cool Tolerant Varieties</b> ~ M. Cadatal	Continuing	TA, TD	70
<b>Towards Inland Aquatic Program in Asin (TILAPIA)</b> ~ W. Grande	Oct 8, 1998- Oct. 8, 2003	TA, TD	70

TABLE 2.3. College-Based Researches

COLLEGE OF AGRICULTURE

RESEARCH TITLE	Proponents	Status
Tissue Culture Research and Dev. Program for Selected Highland Crops (a) Carnation, (b) Chrysanthemum, (c) Limonium sp.	Alejandro, V.	On-going
Development of Rice Cool Tolerant Varieties	Cadatal, M.	On-going
Management of Leafminer on Selected Vegetable Crops	Colting, L.	On-going
Compendium of Insect Pests of Crops in the Cordillera	Ligat, B.	On-going
Biological Control of Mites	Ligat, B.	On-going
Cordillera Indigenous Mushroom and Truffles R and D	Luis, J. S.	On-going
Exploring Highland Rootcrop Starches for Dried Noodles	Luis, J. S. Salda, V. B.	On-going
Ten Year Arabica Coffee Rehabilitation & Development Project in CAR Home Garden as Household Coping Strategy: A view from the Policy Environment	Macanes, V. Mula, R. P.	On-going On-going
Anthocyanin Extraction from Yam Food Uses	Salda, V.B.	On-going
The use of Microbial Antagonists for the Management of Clubroot and Black Rot of Crucifers	Villanueva, L.	On-going
Fungal Hyperparasites & Bacterial Antagonists & Component of Integrated Diseases Mgmt. Program for Chrysanthemum White Rust	Villanueva, L.	On-going

COLLEGE OF ARTS AND SCIENCES

RESEARCH TITLE	Proponents	Status
Common Weeds of the Vegetable Farms in the Cordillera	Lirio, L.G.	On-going
Rapid Clonal Propagation & Germplasm Collection of Bananas ( <i>Musa</i> sp)	Balcita, M.A.	Completed
Plant Regeneration of Anthurium Hybrids Using Tissue Culture	Balcita, M.A.	On-going
The Performance of Students in Chemistry. An Evaluation	Chem. Faculty	On-going
The Listening Difficulties of the Freshmen College Students of BSU	Cotiw-an, L. Lacamento, E.	Completed
An Analysis of the Verbal Interaction in the English Classes at BSU	Cotiw-an, L. Lacamento, E.	Completed
Ang Pang-unawa sa Pagbasa ng mga Mag-aaral sa Ikalawang Taon ng BSU	Dines, E. Gualdo, F. Mayos, N.	On-going
Factor Analysis of College Students' Performance in Mathematics and Science	MPS Faculty	On-going
Factor Analysis of BSU Students' Evaluation of Faculty	MPS Faculty	On-going
BSAS Enrolment – Model Fitting/Trends/Forecasting	MPS Faculty	On-going
Efficiency of BSAS as a Curriculum Program and Tracer	MPS Faculty	On-going
Analysis of Variance for Categorical Data (CATANOVA)	Beligan, SB	On-going
Relationship Between University Entrance Examination and BSAS Statistics Grade	MPS Faculty	On-going
Effect of Reporting in the Learning Process of BSAS Students in their Major Subject	MPS Faculty	On-going
Factor Analysis: Impressions of Parents of BSAS, BSES, BSIT Students	MPS Faculty	On-going
Impact of Import Liberalization in the Context of the Agreement on Agriculture (AOA) on Indigenous Women in Selected Barangays of Buguias, Benguet	Batani, R. S. Calugan, M. I., Laking, A. T., Singa, E.B.	On-going

### COLLEGE OF HOME ECONOMICS AND TECHNOLOGY

RESEARCH TITLE	Proponents	Status
Utilization of Iodized Salt by Foodservice Establishments in La Trinidad, Benguet	Degay, I.O.	On-going
Evaluation of the Supplementary Feeding Program in Schools at La Trinidad, Benguet	Degay, I.O.	On-going
Updating of the Barangay Profile of Balili, La Trinidad, Benguet	Degay, I.O.	On-going
Ratings of BSND Students in their Foodservice Practicum	Degay, I.O.	On-going

### COLLEGE OF TEACHER EDUCATION

RESEARCH TITLE	Proponents	Status
Item Analysis of Test Papers Administered in the College of Teacher Education	Lumaang, C. Montemayor, J.	On-going
Tracer Study of CTE Graduates from 1998 to 2002	Bawang, R.	On-going
Comprehension Levels of Grades IV and V Pupils	Celino, S, et al.	On-going
Performance of College of Teacher Education Graduates in the Licensure Examination for Teachers	Lubrica, P.	Continuing
Analysis of Performance Evaluation of the Faculty Members of the College of Teacher Education	Lubrica, P.	Continuing

### COLLEGE OF VETERINARY MEDICINE

RESEARCH TITLE	Proponents	Status
Isolation, Identification and Antibiotic Sensitivity Testing of Pathogenic Streptococci in Swine	Battad, C.S., Alvaro, M.	On-going
Development of Rabies Control Program for La Trinidad, Benguet	Diego, R.C., Amatorio, M.	On-going

### COLLEGE OF NURSING

RESEARCH TITLE	Proponents	Status
Extent of Teaching values of Nurse Instructors	Gascon, M.G.	Completed
HRDP – the Lower Abiang Experience	Ong, S	Completed
Job Related Stress of Faculty Members of BSU	Benguet, N.	Completed
Determined Factors of Male Students in Choosing Nursing as a Course	Laron, L	On-going
Learning Preferences of CN Students	Cawaon, F.	On-going

### COLLEGE OF FORESTRY

RESEARCH TITLE	Proponents	Status
Propagation of Wild Sunflower	Tacloy, J.G.	Completed
Factors Affecting Performance of BSU-CF Graduates in the Licensure	Tacloy, J.G. K.A. Lauruan & J. Lambino	Completed
Moisture Related Characteristics of Benguet Pine Wood	Tacloy, J.G.	Completed
Agro-Ecosystem Analysis of BSU Land Reservation	Calora, F.G., Jr., Espada, R., Jr., Salcedo, P.G., Parao, M.R.	On-going
Socio-Economic Evaluation of the Proposed BSU Biodiversity Centrum,	Calora, F.G., Jr., Espada, R., Jr., Salcedo, P.G., Parao, M.R.	On-going

## HIGHLIGHTS

The research breakthroughs highlighted the accomplishments of the R and E Centers, Institutes and Colleges for 2002. These are summarized as follows:

1. A new variety of Chinese cabbage, T1 093 with marketable yield of 51 t/ha could be promoted for commercial production.
2. A cabbage-carrot cropping system found to increase land productivity in BSU and Natubleng, Buguias, Benguet could be an alternative to the traditional cabbage-potato cropping pattern.
3. Off (wet)-season production of bell pepper is found profitable.
4. Pest Management
  - a. Aphid (*Aphis gossypii*) Glover is capable of transmitting chayote mosaic virus.
  - b. Among cultivars, lettuce Giant Head is resistant to leafminer.
  - c. Ovoid to round plastic yellow sticky trap is the most effective for leafminer.
  - d. Insecticides effective against leafminer are Cartap, Kutetso, Trigard for lettuce; Dimotricn Kutetsu, Tamaron, Trigard for garden pea; Agrimek, Trigard, Vydate for bush bean.
  - e. Integration of varietal resistance, trapping and insecticide application is recommended
  - f. For biological control of mites, the following predators have been identified: *Amblyseius* sp. Big eyed bug, coccinellid, ceccidomyids, lacewings, six spotted thrips
  - g. Fungal hyperparasite *Verticillium* sp. and bacterial antagonists *flavobacterium* sp. and *pseudomonas* sp. show effectiveness against chrysanthemum white rust
  - h. Microbial antagonists *flavobacterium* sp., *pseudomonas* sp., and *Paecilomyces* sp. when integrated with lime and sub-lethal dose of PCNB are effective for the control of clubroot disease in Chinese cabbage
  - i. Proclaim 05 SG is a new insecticide effective for the control of diamond-back moth
5. The Organization Capacity in Participatory Research of NPRCRTC helped improve its efficiency in conducting research, promote co-ownership of the process, and ensure relevance and use of generated technologies.
6. Miracle K and Comiles varieties of sweet potato had the highest general acceptability rating. Violet had the highest acceptability rating during the dry season while Miracle K had the highest general acceptability during the wet season trial. The acceptability rating was based on mealy characteristics.

## 1. Taro Research and Development Program

- a. Mindanao and GS 362 significantly out yielded the other varieties producing yield of 11.67 and 11.07 kg/plot, respectively.
- b. General acceptability of boiled taro corms showed that CV Mindanao and Itchina had the highest rating.
- c. At five days storage period, no mold incidence from Itchina, Mindanao and GS 396 was observed.
- d. Mindanao chips, which is a yellow-colored was liked by the panellist.
- e. For bread, the formulation which consists of 50:50 taro-wheat combinations gave the better bread quality than 25:75 formulation.
- f. For polvoron, the formulation of 25:75 taro-wheat flour was most acceptable formulation.

## 2. Potato R and D Program

- a. Production of  $G_0$  tuberlet in the greenhouse. Number of  $G_0$  tuberlet of Igorota tripled when repeatedly harvested while that of Solibao and Granola doubled, compared to one time harvesting. Hilling-up significantly increased number of tubers produced
- b. Hydroponics for  $G_0$  Tuberlet Production. The total weight of potato tubers grown under the hydroponic system was slightly higher than those grown in the soil mixture.
- c. Pea-sized tubers are best planted at 2-4 cm depth for earlier emergence and development of canopy favoring the hilling-up of plants one month after planting.
- d. On-farm evaluation of effective control strategies against bacterial wilt revealed that soils treated with powdered bleach, BSU compost, lime, urea and lime + urea (20 kg N/ha + 20 kg CaO/ha) reduced and totally eliminated the population of *R. solanacearum* in the soil.
- e. Screening of Potato Clones/Varieties for Resistance or Tolerance to Bacterial. Among the five locally available varieties, Raniag had the latest appearance of wilt symptoms at 22 days after planting. Among the new cultivars, China showed the latest appearance of wilting at 41.33 days. Ranger Russet, Chipeta and Kennebec showed no visible symptoms but infection of the tubers was confirmed by the NCM-ELISA test.

### What we do...





The different substrates / carriers inoculated with the potential antagonists of *Chrysanthemum* white rust



Anthurium Research



The Best Techno-Bazaar Exhibits During Regional Symposium



Dr. L. Villanueva at the poster presentation during the 4th International Congress of Nematology in Spain



In-House Review of Research and Extension Programs



## ■ EXTENSION PROGRAMS, PROJECTS AND ACTIVITIES

**BSU On The Air.** This radio program is aired on Mondays, Wednesday, and Fridays from 5:15 to 5:25 at DZWT. Information on agriculture and related fields like health and environmental concerns are disseminated in Ilocano. Professor Kudan anchors the program. A total of 58 topics were aired.

**Training and Outreach.** Training courses were conducted in coordination and joint sponsorships with the different Colleges and Institutes of the University. A total of 12 training were conducted on Cutflower Production, Postharvest Handling, Flower Arrangement/Interior Decoration, Landscaping, Bonsai Production, and Forest Conservation.

Joint BSU-SLU Outreach in Kapangan and Tuba, Benguet were also coordinated to conduct the following:

- Anti-Rabies Vaccination for 50 dogs
- Anthurium Production
- Animal Production and Animal Health Care Seminar
- Sayote Processing Seminar
- Beekeeping Seminar
- BSU Sa Barangay Consultation

**BSU Sa Barangay / BSU Quick Response Team.** This was conceptualized to fulfil the University's mission to bring BSU to the barangay, by conducting trainings and seminars in the barangays. The program also serves as a venue to introduce new technologies and relevant information to rural communities.

**Participatory Technology Adoption Program.** It allows the adoption of matured technologies by piloting these in farmers' fields. BSU provides the technical assistance while the farmer-partners give the necessary inputs. These were: Old Coffee Tree Rejuvenation, Passion Fruit Production on Kniffin Trellis, and Chayote Virus Control through Intensive Organic Fertilization.

**BSU-Plastro Demo on Drip Irrigation System.** This program showcases the economic viability of growing high-value crops using off-season cropping and drip irrigation systems.

**BSU KOICA – East West Demonstration.** A greenhouse funded by Korea Overseas International Cooperation Agency (KOICA), highlights seedling production of 6 varieties of potatoes from Korea and trials on cereals.

**TPC-Land Bank.** This was established by the Land Bank and BSU to promote matured technologies.

**Intellectual Property Rights (IPR).** To operationalize the IPR, the University has started applying for the ISBN, ISSN, and Copyrights of some of its publications.

## PUBLICATIONS

PUBLICATIONS	UNIT / COLLEGE	No. of Issues
BSU Research Journal	University	4
BS Graduate Research Journal	University	3
RANGTAY Newsletter	University	2
SHAMAG Newsletter	University	2
PIUC Newsbytes	University	5
IEC materials on Chinese Cabbage, Potato Integrated Pest Management	BSU-CDA-JICA	
CA Pride	College of Agriculture	3
CA Raya	College of Agriculture	2
CEAT Frontier	College of Engineering & Applied Technology	1
CHET Journal, Volume II	College of Home Economics & Technology	1
CHET Quarterly	College of Home Economics & Technology	4
CN Notes	College of Nursing	1
KaliCASan	College of Arts and Sciences	2
Mountain Collegian	University student publication	5
Pakshal	College of Agriculture, Dev Com	1
Saleng	College of Forestry	3
Saringit	College of Arts and Sciences	1
The Blue Courier	College of Teacher Education	4
The Gray Owl	College of Veterinary Medicine	1
Women in Sweetpotato Enterprise Development in La Union Province and Baguio City, Northern Luzon.	CIP-UPWARD/FAO-RAP	1
Origin and Extent of Cultivation, Botanical Description, Chemical Composition, Ethno-medicinal Values and Uses of Asian Yams	NPRCRTC	1
RootCrops Technoguide: •Cassava Production •Sweetpotato Production •Taro Production •ArrowRoot Production •Ginger Production	NPRCRTC	5

The article Response of Four Potato (*Solanum tuberosum*) Cultivars to Varying Levels of Root Knot Nematodes (*Meloidogne hapla*) Inoculum was prepared and submitted by Dr. L. M. Villanueva for publication in the International Journal of Fundamental and Applied Nematological Research in June 2002.

## Trainings conducted...



**Anthurium Production in Kabayan, Benguet**



**Landscaping in Sayangan, Atok**



**Flower Arrangement and Interior Decoration in Buguias Campus**



**Evaluating Organizational Capacity on Participatory Research**



**Participants of Computer Literacy in Bakun, Benguet-CAS**



**Closing Program of Functional Intensive English Training Course**



**Chayote Virus Control**



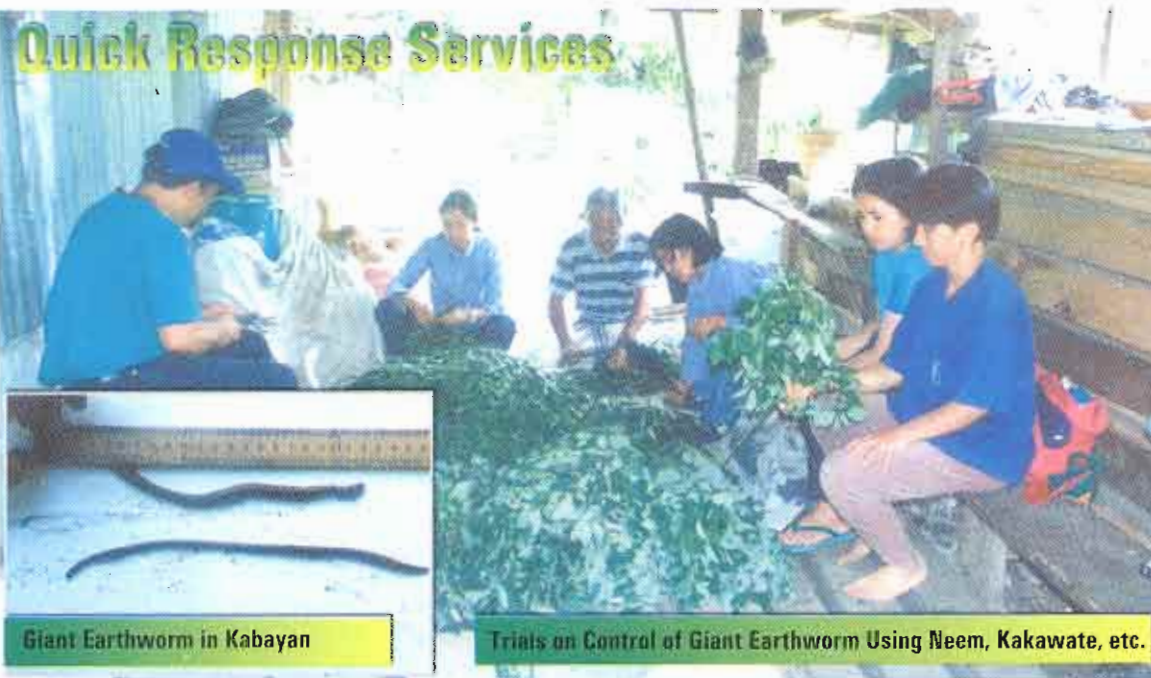
**PTAP Coffee Tree Rejuvenation**



**Passion Fruit Production**



**PTAP Agroforestry**



**Giant Earthworm in Kabayan**

**Trials on Control of Giant Earthworm Using Neem, Kakawate, etc.**

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## INTERNAL GOVERNANCE

### ■ ADMINISTRATION

To date, the University has two external campuses. The Benguet School of Arts and Trade (BSAT) was integrated to the University on 25 January 2003 in accordance to CHED Memorandum Order No. 27 s. 2001 and Republic Act 8292, now known as the BSU-Bokod Campus. The other external campus, is the BSU-Buguias Campus.

### ■ LINKAGES

Networking and linkages lend support to the academic, research and extension activities of the University in terms of financial and material resources, which led to the acquisition of laboratory equipment for research and academic purposes, scholarships for faculty and staff development and other incentives. Linkages established by the University are as follows:

- Agricultural Training Institute – Cordillera Administrative Region (ATI-CAR)
- Assorted Waste Administration and Recycling Enterprise, inc. (AWARE)
- Baguio Colleges Foundation (BCF)
- Baliuag College, Bulacan
- Bureau of Agricultural Research – Department of Agriculture (DA-BAR)
- Bureau of Postharvest Research & Extension (BPRE) – Dept. of Agriculture (DA)
- Cordillera Association of Regional Executives (CARE)
- Department of Agriculture – Cordillera Administrative Region Field Unit (DA-CARFU)
- Department of Agriculture – Cordillera Administrative Region Field Unit (DA-CARFU)  
– Municipality of La Trinidad
- Department of Environment and Natural Resources – Cordillera Administrative Region (DENR-CAR)
- Department of Science and Technology – Cordillera Administrative Region (DOST-CAR)/ Municipal Government of Tadian, Mt. Province, Barangay Officials of Maket-an, Bantey
- Food & Nutrition Research Institute (FNRI), Dept. of Science and Technology (DOST)
- International Rice Research Institute (IRRI)
- Jetstream Technologies and Task Force on ICT Entrepreneurs Development of Cordillera Regional Information Technology Committee
- Lead's AgriProducts Corporation (LEAD CORP)
- Municipal Government of Acop, Benguet
- Municipal Government of Tublay, Benguet
- National Dairy Authority (NDA)
- Nueva Ecija University of Science and Technology (NEUST)
- Office of the Provincial Governor – Abra, Apayao, Benguet and Mt. Province

Philippine Council for Agriculture, Forestry and Natural Resources Research and Development (PCARRD) - Department of Science And Technology (DOST)  
 Philippine Institutional University Cooperation (PIUC)/ Vlaamse Interuniversitaire Raad (VLIR)  
 PLAS Philippines  
 Professional Regulation Commission (PRC)  
 Sangju National Polytechnic University, Korea  
 SEAMEO Regional Center for Graduate Study and Research in Agriculture (SEAMEO-SEARCA)  
 St. Louis University (SLU)  
 Sumitomo Chemical Company Limited  
 User's Perspective with Agricultural Research and Development (UPWARD)/ International Potato Center (CIP)  
 Western Aklan Polytechnic College (WAPC), Aklan

## HUMAN RESOURCE DEVELOPMENT

**Personnel Profile.** The University has 588 employees, 313 (53.41%) faculty, and 273 (46.59%) non-teaching staff. There are 286 (91.37%) regular faculty, and 29 (8.63%) non-regular faculty (Table 3.1). Most of the regular faculty have MS/MA degrees; some are BS/AB and PhD/EdD holders. Two regular faculty pursued postdoctoral studies. The non-regular faculty are mostly BS/AB and a few are MS/MA degree holders.

TABLE 3.1. Highest educational attainment of faculty members

STATUS	BS/AB	MS/MA	PhD/EdD	MD	Post Doctorate	Total	%
Regular Faculty	82	122	78	1	3	286	91.37
Non-Regular Faculty	24	3	0			27	8.63
Total	106	125	78	1	3	313	100.00

Among the non-teaching staff, 212 (77.66%) occupy first level positions and 61 (22.34%), second level positions (Table 3.2). Most of those occupying the first level positions are non-degree holders while those in the second level positions are mostly holders of BS/AB and MS/MA degrees.

TABLE 3.2. Highest educational attainment of non-teaching staff

STATUS	Non-Degree	BS/AB	MS/MA	PhD/EdD	Total	%
First Level	135	74	3		212	77.66
Second Level	2	40	15	4	61	22.34
Total	137	114	18	4	273	100.00

**Personnel Development.** The University continuously supports its faculty and staff development. Four (4) non-teaching staff and three (3) faculty were granted scholarships/study grants to pursue advanced degrees or attend review classes (Table 3.3). The grantees were entitled leave with pay and/or given thesis support. Three faculty members were granted sabbatical and rest and recreation leave privileges (Table 3.4). They are writing a book in their fields of specialization.

**TABLE 3.3. Faculty members and non-teaching staff who were granted scholarships / study grants**

Name	Office / Unit	Degree / University	Duration	Status
<b>FACULTY MEMBERS</b>				
Agaldang, Jackson L.	College of Engineering and Applied Technology	MS / Larenstein Univ. of Prof. Education, The Netherlands	Sept 2002- August 2003	In-progress
Bolinto, Henry K.	College of Teacher Education	PhD / Benguet State University	June 2002- May 2004	In-progress
Tuguinay, Julita A.	University Library	EdD / Benguet State University	June 2002- May 2003	In-progress
<b>NON-TEACHING STAFF</b>				
Buasen, Susan P.	Administrative Division	CPA Review	Jan.- May 2002	Completed
Awingan, Patselyn C.	Human Resource Management Office	MPA / Benguet State University	Jan. - Sept. 2002	Completed
Allan, Elizabeth Y.	University Library	MPA / Benguet State University	July - Sept. 2002	Completed
Tudayan, Rachel K.	College of Agriculture	MS / Nematology, Univ. of Gent, Belgium	Sept. 2002 - Aug. 2003	In progress

**TABLE 3.4. Faculty members on sabbatical and rest and recreation leave privilege**

Name	College / Unit	Period
Abastilla, Rodolfo	College of Arts and Sciences	June 2002 - May 2003
Cotiw-an, Luisa C.	College of Arts and Sciences	November 2002 - October 2003
Bawang, Rosita G.	College of Teacher Education	November 2002 - October 2003

The University conducted three in-house trainings for the general support services staff in coordination with the Commission on Audit (COA) and Civil Service Commission (CSC). There were two institutional planning workshops conducted that crafted the BSU Strategic Plan 2002-2010 and 2003 Operations Plan (Table 3.5).

Some faculty members and non-teaching staff participated in some international trainings/ conferences/ workshops that were mostly funded by the sponsors (Table 3.6).

**TABLE 3.5. In-house trainings / seminars / workshops conducted**

Title of Training	Date and Venue	Number of Participants	Sponsor
Institutional Strategic Planning Workshop	March 4-6, 2002 Cavite State University	60	BSU
New Government Accounting System	May 14-16, 2002 Benguet State University	60	COA-CAR
E-Procurement	August 20, 2002 Benguet State University	87	COA-CAR
Computer Literacy for Government Employees	August 21-23, 2002 Benguet State University	15	DOST-NCC-LGU
Computer Literacy for Government Employees	October 1-3, 2002 Benguet State University	17	DOST-NCC-LGU
Institutional Review and Planning Workshop	November 27-29, 2002 San Fernando City	60	BSU

**TABLE 3.6. Faculty members and non-teaching personnel who attended international trainings / conferences / workshops**

Participant	Nature and Venue	Duration	Sponsor
Esteban, Emilia M. Ramos, Estrella A. Victor, Priscilla P.	Recycling Program on Administrative Management • University of Gent & Leuven University, Belgium	Feb 18 - Mar 5, 2002	Philippines Institutional Univ. Cooperation (PIUC) / Vlaamse Interuniversitaire Raad (VLIR)
Colting, Lita M.	Training on Apiculture • Israel	Apr 23 - May 21, 2002	Israel Government
Perez, Jocelyn C.	Impact Assessment • The Netherlands	May 20-24, 2002	International Service for National Agricultural Research (ISNAR)
Villanueva, Luciana M.	Present Paper on 4th International Congress of Nematology • Tenerife, Spain	June 8-13, 2002	Society of Nematologist and Center of Excellence - BSU
Consolacion, Cipriano C. Consolacion, Leticia C.	Recycling Scholarship on Institutional Administration and Management, Belgium	June 10 - July 8, 2002	Philippines Institutional Univ. Cooperation (PIUC) / Vlaamse Interuniversitaire Raad (VLIR)
Piluden, Imelda Pricela S. Piluden, Ray C. Chua, Edna	4th Igorot International Consultation • London, England	June 26 - July 3, 2002	Igorot Foundation and Personal
Mula, Rosana P.	Sorghum Utilization • India	July- Sept. 2002	Int'l Center for Research In the Semi-Arid Tropics
Paatan, Esther B.	Joint Committee on the Phil Covenant of the Episcopal Church • Texas, USA	September 2-20, 2002	Episcopal Church



Participant	Nature and Venue	Duration	Sponsor
Colting, Rogelio D.	Experts Meeting "Contribution of Long-Term Programmes in Germany to Environmentally Sound Plant Production, Plant Protection and Soil Management • Feldafing, Germany	Sept. 30 - Oct. 8, 2002	DSE
Miguel, Dante M.	Teacher Training in Music •Japan	Oct. 2002 - Mar. 2003	Monbukagakusho
Villanueva, Luciana M.	Consultation Meeting on Integration Pest Management in Chrysanthemum •The Netherlands	Oct. 5-12, 2002	IACR
Cawaon, Florence C.	The 2nd Pan-Pacific Nursing Conference • Hongkong	Nov. 8-10, 2002	University of Hongkong
Consolacion, Cipriano C. Tagarino, Darlyn D. Tagarino, Leopoldo N.	Follow-up negotiations with Hanoi Univ and Hanoi Univ of Tech in Vietnam for a South-South Collaboration in the Framework of the Flemish Inter-Univ Council	Nov. 16-23, 2002	Philippines Institutional Univ. Cooperation (PIUC) / Vlaamse Interuniversitaire Raad (VLIR)
Consolacion, Cipriano C.	14th Asian Association of Agricultural Colleges and Universities Biennial Convention •Chiangmai, Thailand	Dec. 12-14, 2002	Philippines Institutional Univ. Cooperation (PIUC) / Vlaamse Interuniversitaire Raad (VLIR)
Degay, Imelda O.	13th Short Term Course on Food and Nutrition Program and Planning • Thailand	Dec.14, 02- Jan.14, 2003	Institute of Human Nutrition & Food and Nutrition Program Planning & Management

**Personnel awards and incentive.** In recognition of their outstanding performance, step increment incentive and loyalty/service awards were given to deserving employees (Table 3.7 and 3.8). There were four outstanding employee awardees who were given cash awards in recognition of their outstanding performance in four categories: Researcher, Laborer, General Service and Clerical Service (Table 3.9).

**TABLE 3.7. Number of Employees who enjoyed the step increment incentive**

Employee Category	Number of Employees
Faculty	67
Non-Teaching	92
Total	159

**TABLE 3.8. Number of Employees who enjoyed loyalty / service awards**

Length of Service	Number of Employees
10 Years	14
15 Years	6
20 Years	36
25 Years	24
30 Years	10
35 Years	6
40 Years	3
Total	99

**TABLE 3.9. Awards received by faculty / staff**

Award	Awardee	Awarding Agency
Outstanding Employee - Clerical Service	Bayawa, Arsenia L.	Benguet State University
Outstanding Large Animal Practitioner, June 21, 2002	Carolino, Conrado C.	Veterinary Practitioners Association of the Philippines
Outstanding Teacher of the Year	Colting, Lita M.	Metrobank Foundation, Inc.
Distinguished Science Fellow Award	Consolacion, Cipriano C.	Crop Science Society of the Philippines
Outstanding Employee - Laborer	Lumedio, Felipe A.	Benguet State University
Outstanding Employee - General Service	Perez, Gemma R.	Benguet State University
Outstanding Researcher	Perez, Jocelyn C.	Benguet State University
2nd Place Broadcast Category	Kudan, Silvestre L.	PCARRD Professional Media Award
1st Place Developmental Research Category	Ligat, Julio S.	Highland Agriculture Resources Research and Development Consortium (HARRDEC)
3rd Place Developmental Research Category	Maddul, Sonwright B.	HARRDEC
Environmental Education Award	Mayos, Norma S.	Department of Environment and Natural Resources

## ■ PHYSICAL FACILITIES AND EQUIPMENT

**Infrastructure.** Some infrastructure projects are implemented by phase due to budget constraints. In 2002, Gladiola Phase IV and V and CAS Phase II, the perimeter fencing at the Tabangaoen and Cabanao area at Baliili, La Trinidad and repair of NPRCRTC Phase I and II were completed (Table 3.10). Several infrastructure projects are still on-going and are expected to be completed in 2003 (Table 3.11).

TABLE 3.10. **Completed infrastructure projects**

Project	Source of Fund	Cost
Gladiola Center Phase IV	University Income	3,340,000.00
Gladiola Phase V	University Income	4,000,000.00
College of Arts and Sciences Phase II	National Fund	3,400,000.00
Perimeter fencing at Tabangaoen and Cabanao area	University Income	600,000.00
NPRCRTC Phase I (repair)	University Income	700,000.00
NPRCRTC Phase II (repair)	University Income	1,135,477.62
<b>TOTAL</b>		<b>13,175,477.62</b>

TABLE 3.11. **Status of on-going infrastructure projects as of December 31, 2002**

Project	Source of Fund	Cost	Status
College of Agriculture Phase II	National Fund	3,600,000.00	87.83%
University Water System	National Fund	10,000,000.00	
• Production well		857,155.00	100%
• Pump house		190,006.25	100%
• Pipes & Fittings		2,057,188.50	procurement on-going
• Main Water System Transmission and Distribution		1,667,659.12	for bidding
• Concrete water tank		1,206,480.75	in progress
• Generator		553,097.00	procurement on-going
• Submersible pump & Installation		274,681.00	-do-
• 6 units drinking fountain		159,000.00	-do-
• Water purifying station		750,000.00	in progress
• Electrical/ power line		(to be determined by BENEKO)	-
Soils-Chem Building Extension	CHED-Center of Excellence	225,000.00	100% purchased
• Materials		-	in progress
• Labor		-	
Agricultural Information Knowledge Center (AIKC)	University Income	450,345.75	In progress
Sericulture Building Rehabilitation	University Income	786,679.00	In progress
Perimeter fencing at Wangal-Agroforestry	University Income	825,111.44	In progress

**Housing facilities.** There are 182 cottages occupied by 201 employees. These cottages are either built by the University or employees and covered by a memorandum of agreement (MOA). No additional cottage was built for 2002 but 6 cottages were vacated and awarded to deserving employees.

**Equipment.** The equipment purchased were mainly for laboratory and field experiments to support academic and research activities. The Information and Communication Technology (ICT) hall was remodeled and equipped with ICT equipment. Many offices were also equipped with ICT and laboratory equipment. These equipment are:

Analytical balance, 1 unit	Laptop computer, 3 units
Binocular microscope, 19 units	Mimeo machine, 1 unit
Centrifuge, 1 unit	Musical instruments, 1 set
Chest freezer, 1 unit	Overhead projector, 1 unit
colored T.V., 2 units	Printer, 2 units
Computer table, 32 units	Refrigerator, 1 unit
Computer, 28 units for ICT	Rotary Microscope, 1 Unit
Copy printer, 1 unit	Slide projector, 1 unit
Dessicator with vacuum. 1 unit	Solar plate, 1 unit
Drying oven, 1 unit	Speaker/sound system, 1 unit
Engine plate, 1 unit	Stereo Microscope, 3 units
Floor polisher, 4 units	Stereoclave, 1 unit
Grass cutter, 1 unit	VHS player, 1 unit
Grass cutter, 5 units	Water bath, 3 units
Incubator, 1 unit	Water tank, 1 unit
Invested microscope, 1 unit	

**Motor Vehicle.** The university has 29 motor vehicles, 22 are in running condition, three of which are newly acquired. The newly acquired vehicles, purchased from the income of the University, are:

- Toyota SRJ Sport Runner, Revo, new
- Toyota Commuter 2.4DSL HiAce, new
- Isuzu Elf, second hand

## ■ FINANCIAL RESOURCES

**Budget.** The total budget of the University from the National Government is Php 203,130,000 distributed as follows: PhP165,539,000.00 for personal services; PhP 26,891,000.00 for maintenance and operating expenses and PhP 10,700,000.00 for capital outlay (Figure 3.1). The financial as well as physical performance of the University was rated excellent hence, there was a 100% budget release by the Department of Budget Management (DBM). The indicators for physical performance are the number of graduates, board passers compared to the national passing percentages, number of research and extension programs completed. The financial performance is based on the proper utilization of funds and completion of programs, projects and activities.

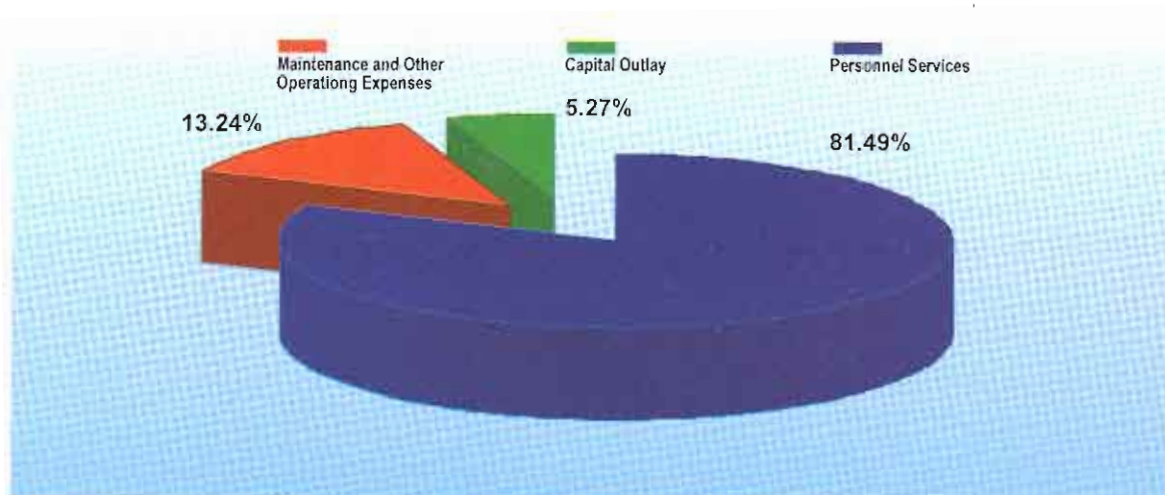


FIGURE 3.1.  
Distribution of budget from the national government

**Production and Income.** Several income-generating projects (IGP) are maintained by the University. In 2002, the income generated was PhP 27,162,527.96, distributed as follows: Agricultural and food production projects - PhP 1,851,212.61; Non-agricultural projects – PhP 2,996,079.20 and School fees and rentals from facilities PhP 22,315,236.15 (Figure 3.2)

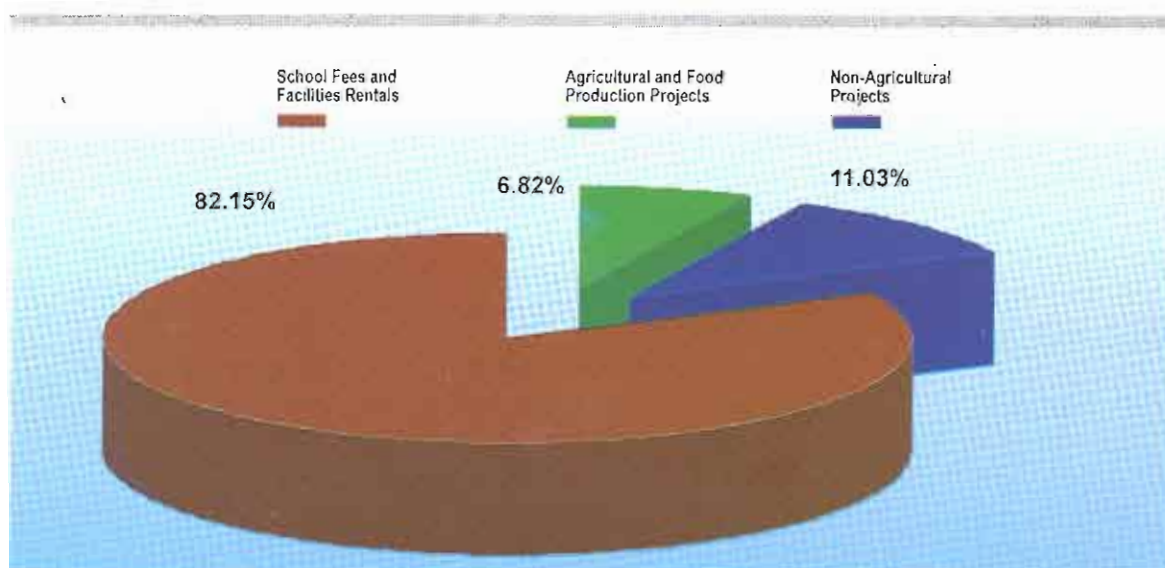


FIGURE 3.2  
Income of the University from different fund sources

The agricultural and food production projects are: bakery, poultry, floriculture, swine/piggery, cattle, agroforestry, pomology, food processing, souvenir gift shop, marketing center, and seed production while the non-agricultural projects are cafeteria, CHET Showcase, dormitory, home management and executive guest house and veterinary clinic. The school fees and other rentals constituted a large proportion of the income.

**Other Sources of Budget.** Through networking and linkages, external funds were sourced in the amount of PhP 10,851,340.96. This contributed 4.5% to the total budget (Figure 3.3)

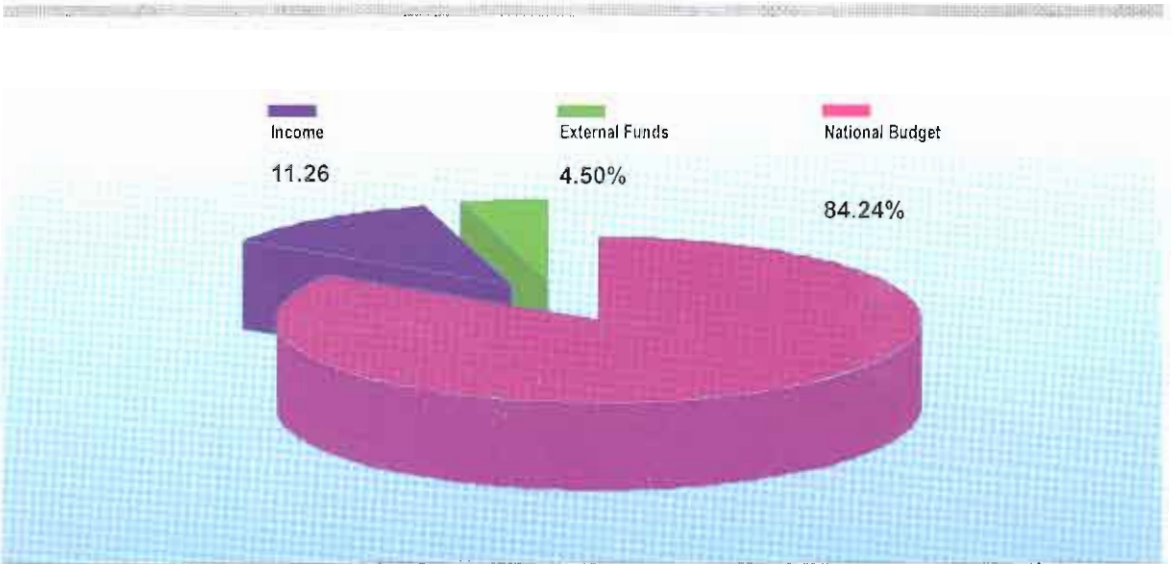


FIGURE 3.3.  
Sources of budget

## Established Linkages with...



Univ. of Economics, Ho Chin Minh



Sanju University, South Korea



Cantho University



LGU (Kabayan, Benguet)

## Trainings and Seminars Attended...



Sorghum Utilization in India  
~ Dr. Rosana P. Mula



4th International Congress of Nematology  
Tenete, Spain ~ Dr. Luciana M. Villanueva



5th PSSST Annual Convention and Symposium, Ilocos Norte

PATLEPAM, Cebu City



ACAP Meeting - UEP, Samar



Post-Evaluation of the Advanced Higher Education Administrators Dev. Training by SEARCA-SEAMO



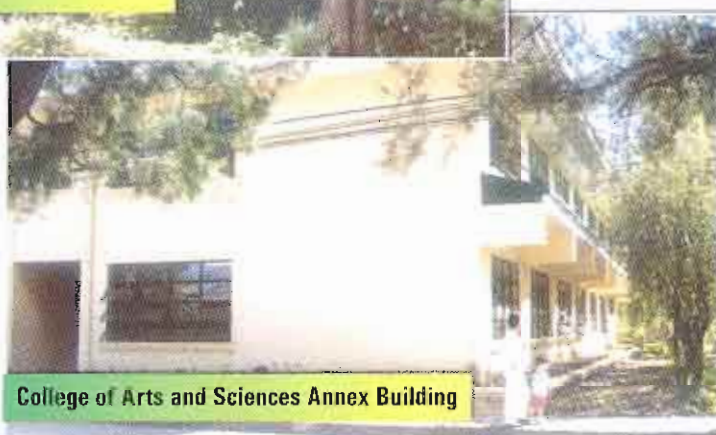
Institutional Review and Planning Workshop, San Fernando City



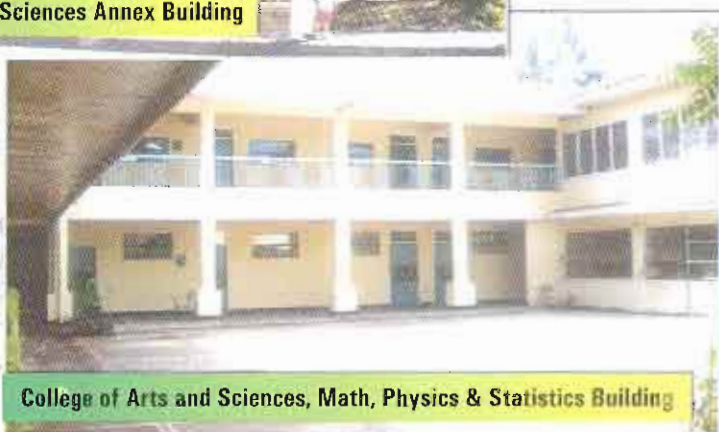
## Infrastructure Projects...



**Gladiola Center**



**College of Arts and Sciences Annex Building**



**College of Arts and Sciences, Math, Physics & Statistics Building**



**Northern Phils. Root Crops Research and Training Center**

**Income Generating Projects...**



**Equipment donated by DOST for the Food-based Livelihood Project**



**Pineapple Jam**



**Ube Jam**



**Garments (CHET Showcase)**

**Awards...**



**Dr. Lita M. Colting, Metrobank Foundation Outstanding Teacher 2002**



**Prof. Silvestre L. Kudan, 2nd Place PCARRD Professional Media Award**

## EXTERNAL CAMPUSES

### ■ BSU-BUGUIAS CAMPUS

BSU-Buguias Campus is located at Loo Valley, Buguias, Benguet, formerly called Buguias Loo Polytechnic College (BLPC). It was integrated to the Benguet state University on May 24, 2001.

**Manpower.** The campus is headed by a designated Executive Dean. There are 70 regular employees: 46, teaching staff; 19, support staff and 5 contractual workers. There are 5 departments (Table 4.1). The highest academic attainment of faculty and staff is shown in Table 4.2.

TABLE 4.1. The employees by unit and their highest educational attainment

Department	Number	Non-degree	BS	MA / MS	PhD / EdD
Administrative	19	11	5	3	
College	8		2	4	2
Vocational-Agriculture	7		4	2	1
Vocational Trade	13		9	4	
Related Subjects	18		8	5	2
Total	65	11	28	21	5

**Budget.** The budget for 2002 was Php 14,718,000 (Table 4.2). The greater proportion of the budget is for personnel services and only about 7% was for its maintenance and operations. The other sources of budget constituted about 3% of the total budget.

TABLE 4.2. Budget of the campus

Particulars	Amount
Personnel Services	Php 13,229,000.00
Maintenance and Other Operating Expenses	1,047,000.00
Other Sources	442,000.00
Total	Php 14,718,000.00

**Accomplishments.** The campus offers graduate and undergraduate degrees as well as non-degree programs. It is also mandated to do research and extension and make use of its resources for sustainable development.

### ACADEMIC PROGRAMS

The campus offers four undergraduate degrees, three graduate programs, three non-degree programs, and basic education with a total of 722 enrollees (Table 4.3).

TABLE 4.3. Enrollment by Academic Programs

Degree Programs	1st Semester	2nd Semester
Bachelor of Science in Agriculture Education (BSAE)	12	16
Bachelor of Science in Industrial Education (BSIE)	32	20
Bachelor of Science in Education (BSE)	104	80
Bachelor of Science in Elementary Education (BEE)		12
Prof. Educ. Course (LET)		5
<b>Graduate Program</b>		
MAED (Administration and Supervision)	8	11
Ph.D.		10
Public Administration		6
<b>Non-Degree Programs</b>		
Practical Electricity (6 months)		6
Automotive Mechanic (6 mos)		16
Clothing Course		2
Basic Education (Secondary/Elementary)		538
TOTAL		722

There were 22 graduates who took the Licensure Examination for Teachers (LET) and the passing percentage is 55%.

## RESEARCH PROJECTS

Several research projects were conducted in coordination with various agencies as follows:

- Adaptability trial of various Japanese vegetables in coordination with JICA-CDA
- Adaptability trial of Chrysanthemum in Buguias in coordination with BSU Main Campus Research Group
- Trials on sasso production in Buguias in coordination with DA – CAR and the Municipality of Buguias

## EXTENSION SERVICES

Extension projects and in-house training programs were conducted as follows

Project	Partner Agency
Backyard Swine Raising, Leaf miner, Club Root Management, and Mushroom Production	Syngenta Philippines Inc
Faculty and Staff In-service Seminar on Values Orientation Workshop (VOW)	Civil Service Commission – Cordillera Administrative Region (CSC-COA)

Project	Partner Agency
Flower Arrangement and Interior Decoration	Technical Education and Skills Development Authority (TESDA) - Benguet
Basic Computer Training	TESDA - Benguet and Department of Labor and Employment - Cordillera Administrative Region (DOLE-CAR)
Basic Flower Arrangement	TESDA – Benguet
Basic Painting	TESDA – Benguet
Dressmaking	TESDA – Benguet
In-Service Training on Art Education for MAKABAYAN Teachers	Department of Education - Cordillera Administrative Region (DepEd-CAR)
Livelihood Skills Training	Peoples Initiative for Learning and Community Development (PILCD - Manila)

## LINKAGES

In addition to the 5 units of computer that were purchased by the campus, 4 units were acquired through donation by the Mayor of Buguias, Congressman of Benguet and De La Salle University. One (1) unit of Toyota Land Cruiser was donated by TESDA. Other linkages that were established are:

- Department of Agriculture
- Bureau of Fisheries and Natural Resources
- Japan International Cooperation Agency
- National Irrigation Administration
- Department of Labour and Employment – Cordillera Administration Region
- Technical Education and Skills Development Authority – Cordillera Administrative Region
- Department of Education – Cordillera Administrative Region

## FACILITIES AND EQUIPMENT

The facilities that were repaired are the faculty and staff housing, motorpool, greenhouse, piggery, water system, some offices, classrooms and laboratories. Two (2) vehicles were acquired from the BSU Main Campus.

## PRODUCTION

Production projects such as cutflower, potato and piggery were established. The canteen and guesthouse are also income-generating projects.

# This is BSU-Buguias Campus...



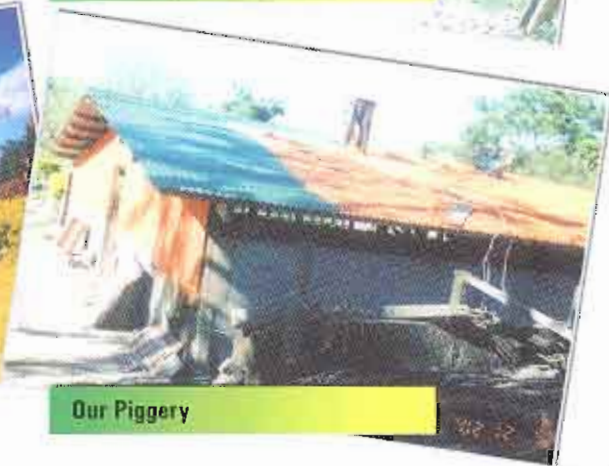
**Our Library**



**Our Motorpool**



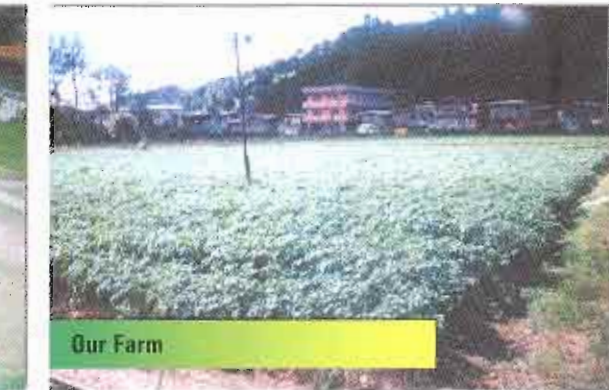
**Our Green Houses**



**Our Piggery**



**Our Playground**



**Our Farm**



**Our Staff Houses**

# What do we do...

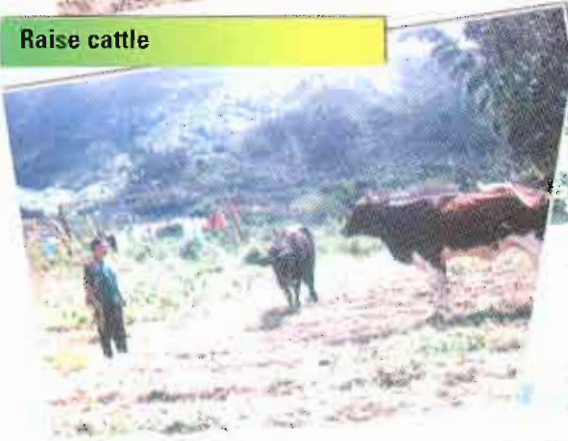
Produce vegetables



Raise Pigs



Raise cattle



Serve farmers



Learn before we teach (flower arrangement)



Raise carps



Train farmers



## BSU-BOKOD CAMPUS

BSU-Bokod campus is the newly integrated college in the University effective January 25, 2002, formerly known as the Benguet School of Arts and Trades (BSAT) located in Ambangeg, Daclan, Municipality of Bokod, Benguet.

**Manpower.** There are 54 college personnel; 49 regular and 5 contractual and substitute. Out of the 54 personnel, 40 belong to the faculty including the Campus Dean and 14 to the non-teaching staff. Out of the 40 faculty, 3 have Ed.D, 3 finished the required units in Ed.D; 7 are MAEd with Doctorate Units; 13 finished MAEd; 6 are degree holders with required units in MA; and 8 are degree holders with some units in MA.

### Budget.

The budget for 2002 was PhP 11,429,000. Its distribution is shown on the right (Table 4.4).

TABLE 4.4. Budget of the Bokod campus

Particulars	Amount
Personnel Services	Php 9,752,000.00
Maintenance and Other Operating Expenses	1,677,000.00
Total	Php 11,429,000.00

**Accomplishments.** For the school year 2002-2003, there were three bachelor's degree courses on teacher education offered with 8 major fields, a two-year trade technical course on industrial technology and basic secondary education. There were 833 students enrolled for this school year; 361, college level and 472 basic secondary education. Table 4.6 shows the number of graduates per degree program.

TABLE 4.5. Enrollment by degree program

Program	Total
Bachelor of Science in Industrial Education (BSIE)	180
Bachelor of Science in Industrial Technology (BSIT)	109
Bachelor in Elementary Education (BEE)	55
2 Year - Trade Tech-Industrial Technology	17
Secondary	472
Total	833

TABLE 4.6. Graduates by program

Course	March 2002	October 2002	Total
Bachelor of Science in Industrial Education	34	1	35
Bachelor of Science in Industrial Technology	33	1	34
Total	67	2	69



## PUBLICATIONS

- BSAT Digest
- Yearbook 2002
- *Saleng* formerly known as the Campus Journal

## EQUIPMENT AND INFRASTRUCTURE DEVELOPMENT

- Purchase of tools/equipment out of the school trust fund and MOOE of the campus
- Acquired 1 commuter van SAN 280, 1 lathe Machine, and 1 gasoline fed Ford engine from the BSU Main Campus for instructional purposes
- Rehab of 400 m x 7 ft perimeter fence
- Seeding of fishpond by BFAR with 3,000 fingerlings

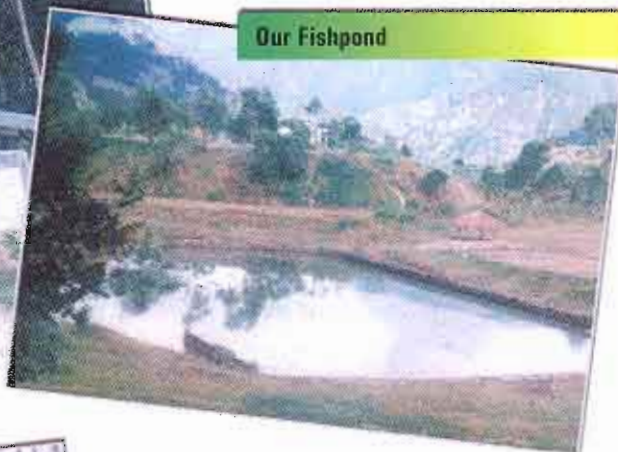
## LINKAGES/EXTENSION

- TESDA: conduct of trade test in the different field of trades to 70 students with 100% passing rate
- ERP-CASCADE: nursery establishment
- Municipal Local Government Unit of Bokod: funding of 50-meter pathway and school nursery
- POP-COM: information campaign against drugs and conducted symposium on drugs
- NIPAP and peace-corps volunteer: provided technical skills on project preparation
- Red Cross: first aid services training
- PRITI: provided computer education to 105 students with 90% passing rate
- Barangay Daclan: assisted on the implementation of Barangay Re-greening movement
- Department of Agriculture Provincial Office: conducted fishery trial
- NPC and Municipal Local Government of Bokod:
- Conducted technical trainings on food processing, culinary arts, hollow block making and flower stand making in 3 barangays of Bokod
- Bokod Parish: provision of moral education for the Secondary Department.
- LGU/Barangay Community Service: free service on electronic appliances (twice a month), educational campaign on sanitation, tree planting and cleaning services

# This is BSU-Bokod Campus



Our Main Gate



Our Fishpond



Sewing Machines

Our Newly Acquired Equipment



Lathe Machine



Computers

Our Newly-Acquired Vehicle



# The Administrative Council

- CONSOLACION, CIPRIANO C.**, Chairman and University President
- BAWANG, FRANCO T.**, Vice Chairman and University Executive Vice President
- COLTING, ROGELIO D.**, Member and Vice President for Research and Extension; and concurrent Director of Research
- BULIYAT, MARCOS A.**, Member and Vice President for Academic Affairs
- MERESTELA, TESSIE M.**, Member and Vice President for Planning and Development
- \*BENGWAYAN, GRACE T.**, University and Board Secretary
- ALAGAO, LUDIVINA O.**, Member and Chief, Budgeting Office
- ALIPIT, PERCIVAL B.**, Member and Director, Horticulture Research and Training Institute
- ANGIWAN, MATIAS C. Jr.**, Member and Legal Officer
- ANTONIO, SAMSON S.**, Member and Chief, Motor Pool
- \*ARYO, ANALYN**, Editor-in Chief, Mountain Collegian, until May 2002; **BASITAN, ILENE S.**, effective June 2002
- AVILA, JANE K.**, Member and Dean, College of Home Economics and Technology
- BAGANO, JULIET P.**, Member and Coordinator, Open University
- \*BANIWAS, TRANQUILINO B.**, President, BSU Non-teaching Association
- \*BAWANG, EDERSON G.**, President, Supreme Student Council, until May 2002; **LABI, ADAMSON F.**, effective June 2002
- BOLINTO, HENRY K.**, Member and Chair, Secondary Education Training Department, until April 1, 2002; **BANDA-AY, PHILIP P.**, effective April 2, 2002
- BOLINTO, VIOLETA B.**, Member and Chief, Internal Audit Services
- \*CADATAL, MACARIO D.**, President, BSU Faculty Club
- CAWAON, FLORENCE C.**, Member and Dean College of Nursing
- CELINO, SONIA M.**, Member and Chair, Elementary Education Training Department
- CHUA, EDNA A.**, Member and Dean, College of Arts and Sciences
- CLARAVALL, NORA J.**, Member and Director, University Library Services
- COILAN, NICANDRA J.**, Member and Chief, Supply Management Office
- COMILA, FELIPE S.**, Member and Director, Institute of Public Administration
- COTIW-AN, BASITO S.**, Member and Executive Dean, Buguias Campus
- DANGWA, OLGA C.**, Member and Special Assistant for Community Affairs
- DIEGO, RUTH C.**, Member and Dean, College of Veterinary Medicine
- DUGAT, VIRGINIA R.**, Member, University Registrar
- ESTEBAN, EMILIA M.**, Member and Chief, Human Resource Management Office
- FORMARAN, VILLA L.**, Member and Chief, Medical Services

**GARIN, DOMINADOR S.**, Member and Dean, Graduate School

**JACALAN, GILDA B.**, Member and Chief, Publications Office

**LACONSAY, EDUARDO P.**, Member and Director, Institute of Physical Education and Sports, until October 2002; **RIMANDO, TEOFILO C.**, effective November 2002

**LAPICTO, ELADIO O.**, Member and Director, General Services

**LIMPIN, OSCAR B.**, Member and Chief, Cashiering Office

**LIMPIN, VICTORIA L.**, Member and Chief, Records Management Office

**LUBRICA, PERCYVERANDA A.**, Member and Dean, College of Teacher Education

**MACASIEB, GENARO W., Jr.**, Member and Dean, College of Engineering and Applied Technology

**MACASIEB, ZYLA C.**, Member and Director, Regional Information and Technology Center

**MADDUL, SONWRIGHT B.**, Member and Director, Institute of Highland Farming Systems and Agroforestry (IHFSA)

**MAMARIL, DANIEL V.**, Member and ROTC Commandant

**MINA, WILFREDO B.**, Member and Director of Student Affairs

**MONROE, REMIGIO E., Jr.**, Member and Director, Presidential Committee on Culture and Arts, until November 2002.

**MULA, ROSANA P.**, Member and Director, Extension Services

**\*NARAG, SHERELYN A.**, Resident Auditor, Commission on Audit, until August 2002;  
**WILLIS, MARY D.**, Audit Team Leader, COA-BSU, effective September 2002

**PADUA, DANILO P.**, Member and Dean, College of Agriculture

**PANANGON, ALBERT B.**, Member and Executive Dean, Bokod Campus

**RAMOS, ESTRELLA A.**, Member and Head, General Administrative Services Division and Interim UBP Coordinator

**RAPUSO, MARY JOY S.**, Member and Chief, Accounting Office

**SALDA, VIOLETA B.**, Member and Director, Northern Philippines Root Crops Research and Training Center

**TACLOY, JOHN G.**, Member and Dean, College of Forestry

**TAGARINO, DARLYN D.**, Member and Director, Institute of Highland and Policy Studies and Socio-Economic Research and Development

**TANDANG, LEONCIA L.**, Member and Director, Highland Agriculture and Resource Research and Development Consortium

**TIPAYNO, ALFREDO C.**, Member and Director, Land Reservation Officer and President, BSU Employees Association

**VICTOR, PRISCILLA P.**, Member and Head, Financial Services Division

**VICTOR, FLORENCIA C.**, Member and Director, Sentro ng Wikang Filipino

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\* observer, no voting power

APPENDIX 2

## The Board of Regents

**HON. ESTER A. GARCIA**

Presiding Officer and Chairperson, Commission on Higher Education

**HON. CIPRIANO C. CONSOLACION**

Vice Chairman and President, Benguet State University

**HON. REYNATO L. CAYETANO**

Member and Chairperson, Senate Committee on Education, Culture and Sports

**HON. HARLIN CASTILLO-ABAYON**

Member and Chairperson, Congressional Committee on Education Culture and Sports

**HON. JUAN A. NGALOB**

Member and Regional Director, National Economic and Development Authority  
Cordillera Administrative Region

**HON. ELIZABETH A. VERZOLA**

Member and Regional Executive Director, Department of Agriculture  
Cordillera Administrative Region

**HON. BEN D. LADILAD**

Member and Regional Director, Department of Science and Technology  
Cordillera Administrative Region

**HON. FELIPE S. COMILA**

Member and President, BSU Alumni Association, Inc.

**HON. MACARIO D. CADATAL**

Member and President, BSU Faculty Club

**HON. EDERSON G. BAWANG**

Until May 2002, Member and President, BSU Supreme Student Council

**HON. ADAMSON F. LABI**

Effective June 2002, Member and President, BSU Supreme Student Council

**MS. GRACE T. BENGWAYAN**

BSU University and Board Secretary V

2002 Annual Report  
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