

VISION

BSU as an International University engendering graduates to walk through the intergenerational highways.

MISSION

BSU cares to challenge innovations, advance technology and facilities, revitalize administration, engender partnership and serve to sustain inter-generational roles.

COLLEGE OF NUMERACY AND APPLIED SCIENCES GOALS

1. Promote programs that are responsive to the demands of time through innovative instructional practices in the field of Numeracy and Applied Sciences.
2. Establish and strengthen collaborative research and extension activities toward advancing technology for sustainable development.
3. Produce globally competitive graduates who are gender-sensitive and imbued with values toward cultural and environmental preservation.
4. Sustain and broaden local and international partnerships and linkages.

PROGRAM OBJECTIVES

The Bachelor of Science in Statistics graduates are expected to:

1. Demonstrate broad and coherent knowledge and understanding in the core areas of statistics, computing and mathematics;
2. Translate real – life problems into statistic problem;
3. Generate information involving the conceptualization of a strategy for generating timely and accurate/reliable data organizing a process for putting together or compiling the needed data, and transforming available data into relevant and useful forms; and
4. Identify appropriate statistical tests and methods and use these properly for the given problems, select optimal solutions to problems and make decisions in the face of uncertainty.

GENERAL REQUIREMENT

A. ADMISSION REQUIREMENT

For Freshmen

1. Senior High School Graduate
2. A General Weighted Average (GWA) of at least 80% in their Grade 11 subjects

For Transferees

1. A certified true copy of academic records/ transfer credentials and a certificate of honorable dismissal.
2. A passing rate of validation exams taken.

Note: Validation Examination shall be given to students who finished equivalent subjects. However, transferees with good scholastic standing from member – institutions of ACAP and PASUC. The course(s) to be credited shall be determined by the Department Chairperson and the University Director of Admissions.

B. RETENTION POLICY

Approved during the CAS Academic Council Meeting: CAS ACADCO Action No. 02, s. 2018

1. A student with any academic deficiency during the previous term shall not be allowed to enroll in the next term until a consultation

with the student, the parent/guardian, and a representative of the Statistics Department is done. Each case shall be considered on its merits.

2. A student with at least 1 failing grade in the previous term shall be on probation status.

SPECIFIC PROFESSIONS/ CAREERS/ OCCUPATION OR TRADES FOR BSS GRADUATES –CMO 42, s.2017

1. BS Statistics are easily hired in various industries that are either engaged in generating data, accumulating large amounts of data, or using these data in decision –making.
2. Graduates are absorbed in the government, financial sectors, pharmaceuticals, market research, manufacturing, and in global support service centers of multinational companies.
3. Statisticians are taking the lead role in the era of “big data” as data scientists doing business analytics.
4. In agriculture, they are involved in experimentation and selection of high performing varieties.
5. Statisticians studying the most appropriate incentive scheme to offer to recruit new subscribers in the field of telecommunications.
6. They also participate in identifying drug formulation that best contributes to the remission of cancer cells;
7. Statisticians are into strategic panning, marketing, computing, and data mining;
8. BS Graduates can also teach some basic courses in the BS Statistics program, elementary statistics courses requirements, and courses on statistical methods under other degree programs requiring research tools or heavily engaged in decision-making such as business, economics, natural sciences, and social sciences.
9. Statistics is in good partnership with different allied discipline like business administration, economics, mathematics, biology, genetics, molecular, operations research, actuarial sciences, computer science, among others.

FACULTY MEMBERS



MARIA AZUCENA B. LUBRICA
PhD Educational Management
Master of Statistics
BS Mathematics for Teachers

MARYCEL T. SAJISE

PhD Statistics (dissertation)
MA Applied Statistics
BS Statistics



FREDA KATE D. SAMUEL

MA Applied Statistics
BS Applied Statistics

PRECIOUS M. VALENTIN

MA Applied Statistics
BS Applied Statistics



Contact us at:



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BENGUET STATE UNIVERSITY COLLEGE OF NUMERACY AND APPLIED SCIENCES STATISTICS DEPARTMENT

Bachelor of Science in Statistics (BSS)

- CMO No. 42, s.2017
- BOR No. 78, s.1086

Level III ACCUUP Accredited



A. GENERAL EDUCATION COURSES – 39 Units

Course Code	Descriptive Title	No. of Units
Math 21	Mathematics in the Modern World	3
Eng 21	Purposive Communication	3
SS 21	Understanding the Self	3
SS 22	Readings in The Philippine History	3
Art 21	Art Appreciation	3
SS 25	Ethics	3
SS 23	Contemporary World	3
PI 21	Life and Works of Rizal	3
SS 24	Science, Technology and Society	3
SSP24	The Entrepreneurial Mind	3
MST 22	People and the Earth's Ecosystems	3
MST 24	Living in the IT Era	3
CORDI 101	Cordillera Heritage	3

B. CORE COURSES – 64 Units

• Non-Statistics Core Courses (24 units)

Mathematics

Course Code	Descriptive Title	No. of Units
Math 22	Reasoning of Mathematics	3
Math 23	Set Theory/Logic	3
Math 24	Linear Algebra and Matrix Theory	3
Math 30	Calculus I	3
Math 31	Calculus II	3
Math 33	Calculus III	3

Computing

Course Code	Descriptive Title	No. of Units
IT 21	Basic Programming Language(s)	3
Stat 123	Statistical Software	3

• Statistics Core Courses (40 units)

Course Code	Descriptive Title	No. of Units
Stat 120	Descriptive Statistics	3
Stat 121	Mathematical Statistics I	3
Stat 122	Mathematical Statistics II	3
Stat 131	Mathematical Statistics III	3
Stat 132	Nonparametric Statistics	3
Stat 133	Regression Analyses	3
Stat 134	Bayesian Statistics	3
Stat 135	Survey Sampling	3
Stat 141	Time Series Analysis	3
Stat 142	Multivariate Analysis	3
Stat 143	Survey Operations	3
Stat 144	Categorical Data Analysis	3
Stat 145	Experimental Design	23
Stat 199	Graduate Seminar	1

C. ELECTIVES

Statistics/Mathematics/Computing – 15 units

List of Elective subjects:

Course Code	Descriptive Title	No. of Units
*Math 25	Real Analysis	3
AppStat 101	Special Topics in Biological and Medical Sciences	3
AppStat 102	Special Topics in Industrial Statistics	3
AppStat 103	Special Topics in Business and Economic Statistics	3
AppStat 104	Recent Advances in Statistics	3
AppStat 105	Exploratory Data Analysis	3

Other Electives (courses in other agriculture, economics, biology, chemistry, sociology, geology, meteorology, among others) – 9 units

D. THESIS/PROFESSIONAL EXPOSURE

Course Code	Descriptive Title	No. of Units
Stat 200	Undergraduate Thesis	6

E. PHYSICAL EDUCATION – 8 units

Course Code	Descriptive Title	No. of Units
PATHFIT 1	Movement Competency Training	2
PATHFIT 2	Exercise Based Fitness Activities	2
PATHFIT 3	Sports Based Course 1	2
PATHFIT 4	Sports Based Course 2	2

F. NATIONAL SERVICE TRAINING PROGRAM – 6 UNITS

Course Code	Descriptive Title	No. of Units
NSTP1	National Service Training	3
NSTP2	National Service Training	3

