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note book



Kathmandu

TU Affiliated

BernHardt College
to the stars by hard ways...

You are a name
not number at

BernHardt



Others Programs

BSc CSIT

BCA **BASW**

BBM **BBS**

MBS



...and lead a prosperous career opportunity in
the world of endless possibilities...



Kathmandu

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Bafal (Ringroad, Kalanki) Kathmandu

Tel: 01-5237330, 5237361, E-mail: ktmbernhardt@kbc.edu.np

10+2 Section: Balkhu, Kathmandu (Opposite TU Exams Office)

Tel: 5187106, 5187107, 5187444

www.kbc.edu.np



WHY **BBM**

Global Recognition

A 4 year, semester System Program of TU

International Acceptance

Credit Transferable

Fresh and Frequently Updated Syllabus

The course is recent and gets updated in short span of time

Professional Bridging

Projects & Internships

Integrated Course

Perfect Combination of Management and Computer Application.

Widening Prospect

Lucrative jobs & Careers

Individual Empowerment

Independence & Entrepreneurship

Choice based Expertise

Electives & Specialization



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BSc CSIT

@

Bernhardt

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Bernhardt

...Where care is Culture

Academic Excellence

Top results in TU, upto 100% pass

Corporate Interaction

Top level HR and Manager Meet

Industrial Tie-ups

MOU with different Software and IT Industries

Prefect Teaching Methodology

Combination of Theory, Practical and Project based classes

A State of Art Laboratories

Separate Computers, Hardware, Microprocessor & Digital Logic Labs

Monthly Guests Lectures

Opportunity to get motivated by expert of their own field

Supplementary Courses

Java, PHP,.net, Hardware and Networking, Apps Development

Personality Development

Soft-skill Trainings like Time and Distraction Mgmt, Leadership, Entrepreneur Skill Development

Availability of Genuine Microsoft Software & Source Code

Students of Bernhardt get every genuine software of Microsoft free

Frequent Exams & Assessment

Timely unit tests, Term exams and prompt feedback



Why BSc. CSIT ?

Global Recognition

A 4year, Semester System Program of TU

International Acceptance

Credit Transferable

Fresh and Frequently Updated Syllabus

The Course is recent and gets updated in short span of time

Integrated course

Prefect combination of Computer Science & IT

Professional Bridging

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BSc CSIT Curriculum Structure



The BSc CSIT program will have eight semesters with 126 credit hours.

Each semester shall have duration of 6 months. This program comprises of the following courses and credit hours:

Computer science core courses	75
Mathematics courses	12
Social science and management courses	6
Internship/Project	9

Natural science elective courses	6
English courses	3
Computer science elective courses	15
Total Credit hours	126

Semester I

Course Code	Course Title
CSC109	Introduction to Information Technology
CSC110	C Programming
CSC111	Digital Logic
MTH112	Mathematics I
PHY113	Physics

Semester II

Course Code	Course Title
CSC160	Discrete Structure
CSC161	Object Oriented Programming
CSC162	Microprocessor
MTH163	Mathematics II
STA164	Statistics I

Semester III

Course Code	Course Title
CSC206	Data Structure and Algorithms
CSC207	Numerical Method
CSC208	Computer Architecture
CSC209	Computer Graphics
STA210	Statistics II

Semester IV

Course Code	Course Title
CSC257	Theory of Computation
CSC258	Computer Networks
CSC259	Operating Systems
CSC260	Database Management System
CSC261	Artificial Intelligence

Semester V

Course Code	Course Title
CSC314	Design and Analysis of Algorithms
CSC315	System Analysis and Design
CSC316	Cryptography
CSC317	Simulation and Modeling
CSC318	Web Technology

List of Electives:

1. Multimedia Computing (CSC319)
2. Wireless Networking (CSC320)
3. Image Processing (CSC321)
4. Knowledge Management (CSC322)
5. Society and Ethics in Information Technology (CSC323)
6. Microprocessor Based Design (CSC324)

Semester VI

Course Code	Course Title
CSC364	Software Engineering
CSC365	Compiler Design and Construction
CSC366	E-Governance
CSC367	NET Centric Computing
CSC368	Technical Writing

List of Electives:

1. Applied Logic (CSC369)
2. E-commerce (CSC370)
3. Automation and Robotics (CSC371)
4. Neural Networks (CSC372)
5. Computer Hardware Design (CSC373)
6. Cognitive Science (CSC374)

Semester VII

Course Code	Course Title
CSC409	Advanced Java Programming
CSC410	Data Warehousing and Data Mining
MGT411	Principles of Management
CSC412	Project Work

List of Electives:

1. Information Retrieval (CSC413)
2. Database Administration (CSC414)
3. Software Project Management (CSC415)
4. Network Security (CSC416)
5. Digital System Design (CSC417)
6. International Marketing (MGT418)

Semester VIII

Course Code	Course Title
CSC461	Advanced Database
CSC462	Internship

List of Electives:

1. Advanced Networking with IPV6 (CSC463)
2. Distributed Networking (CSC464)
3. Game Technology (CSC465)
4. Distributed and Object Oriented Database (CSC466)
5. Introduction to Cloud Computing (CSC467)
6. Geographical Information System (CSC468)
7. Decision Support System and Expert System (CSC469)
8. Mobile Application Development (CSC470)
9. Real Time Systems (CSC471)
10. Network and System Administration (CSC472)
11. Embedded Systems Programming (CSC473)
12. International Business Management (MGT474)



WHY MBS

- Preparing professional managers and administrators of tomorrow
- Igniting the entrepreneurship skill in the students
- Offering broad knowledge of the concept and reality based market driven skills of course underlying the operation and management organization
- Conducting research in dynamic issues of market and management development program
- Updating of knowledge and skills based from academic and practicing managers
- Innovating and promoting management programs catering the various social and economic sectors of Nepal
- Establishing linkage with the leading universities and management institutes in country and abroad and collaborating program development and implementation
- Carrying case studies of dynamic global environment and organization
- Transforming an individual into an effective and efficient professionals with all round development on business studies
- Offering professional training to meet the requirement in the organizational milieu
- Preparing for the post graduates level of study in the field of business management within and outside the country



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WHY BBS BASW

Proven Academic Excellence

Displaying proven academic performance with excellent TU results

Social Organization Interaction

Guest lecture series and interaction with renowned social work activities, motivator and renowned personalities from different social organizations

Corporate Interaction

Following trend of inviting top CEOs, HRM and renowned personalities from corporate sectors and business houses for corporate sectors and business houses for corporate interaction among our future managers.

Renowned Faculty Members

Owning highly experiences, dynamic, dedicated and renowned faculty members imparting their experiences

Perfect Teaching Methodology

Adopting perfect teaching methodology by the insertion of theoretical and practical approaches aided with classroom presentation, research and project work.

Monthly Guest Lectures

Motivational, monthly guest lecturers from experts to assist to explore a deeper knowledge further

Frequent Exams and Assessment

Assessing performance appraisal through frequent exams including unit tests, term exams and prompt feedback

Supplementary Courses

Blending of prescribed curriculum with time tested supplementary courses to prepare a competent personality for the society need.

Perfect Academic Environment

Maintaining peace and calm environment enhancing academic environment and enabling the learning process



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