Semester IV

Course Code	Course Title	Credit Hrs.
CACS 251	Operating Systems	3
CACS 252	Numerical Methods	3
CACS 253	Software Engineering	3
CACS 254	Scripting Language	3
CACS 255	Database Management System	3
CACS 255	Project I	2
Total		17

Semester V

Course Code	Course Title	Credit Hrs.	Full Marks
CACS 301	MIS and e-Business	3	100
CACS 302	DotNet Technology	3	100
CACS 303	Computer Networking	3	100
CAMG 304	Introduction to Management	3	100
CACS 305	Computer Graphics and Animation	3	100
Total		15	500

Semester VI

Course Code	Course Title	Credit Hrs.
CACS 351	Mobile Programming	3
CACS 352	Distributed System	3
CAEC 353	Applied Economics	3
CACS 354	Advanced Java Programming	3
CACS 355	Network Programming	3
CAPJ 356	Project II	2
Total		17

Semester VII

Course Code	Course Title	Credit Hrs.
CACS 401	Cyber Law & Professional Ethics	3
CACS 402	Cloud Computing	3
CAIN 403	Internships	3
	Elective I	3
	Elective II	3
Total		15

Semester VIII

Course Code	Course Title	Credit Hrs.
CAOR 451	Operation Research	3
CAPJ 452	Project III	6
	Elective III	3
	Elective IV	3
Total		15

List of Electives:

Course Code	Course Title
CAPS 476	Applied Psychology
CACS 477	Geographical Information System
CACS 478	IT in Banking
CACS 479	Hotel Information System
CAER 480	Enterprise Resource Planning
CACS 482	Knowledge Engineering
CACS 483	Advance DotNet Technology
CACS 484	Database Programming
CACS 485	Database Administration
CACS 486	Network Administration

BernHardt aims to help all students make the most of themselves in terms of academic and social perspective.

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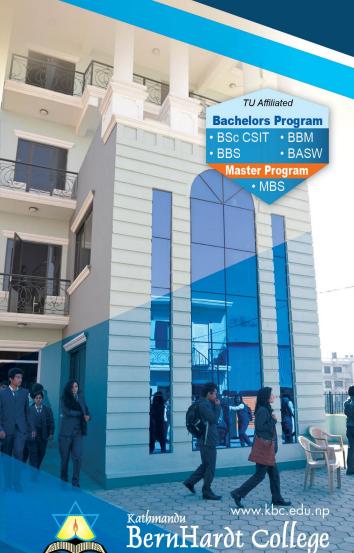Tel.: 5237330, 5237361
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BernHardt
---Where Care is Culture

Academic Excellence
Top result in TU, up to 100 % pass

Corporate Interaction
Top level HR and Manager Meet

Industrial Tie-ups
MOU with different Software and IT industries

Perfect Teaching Methodology
Combination of Theory, Practical and Project based classes

A state of Art Laboratories
Separate Computers, Hardware and Networking, Apps Development

Monthly Guest Lectures
Opportunity to get motivated by expert of their own field

Supplementary Courses
Java, PHP,.net, Hardware and Networking, Apps Development,etc..

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

BCA Curriculum Structure:

The BCA 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:

Why BCA?

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

Integrated Course
➢ Perfect combination of Computer Application & IT

Professional Bridging
➢ Projects & Internships

Widening Prospect
➢ Lucrative jobs & Careers

Individual Empowerment
➢ Independence & Entrepreneurship

Choice based Expertise
➢ Electives & Specialization

Computer Application (Core Courses)	71
Elective Courses	12
Mathematics & Statistics Courses	9
Language Courses	6
Social Sciences & Management Courses	15
Projects & Internships	13
Total Credit Hours	**126**

Semester I

Course Code	Course Title	Credit Hrs.
CACS 101	Computer Fundamentals & Applications	4
CASO 102	Society & Technology	3
CAEN 103	English I	3
CAMT 104	Mathematics I	3
CACS 305	Digital Logic	3
Total		**16**

Semester II

Course Code	Course Title	Credit Hrs.
CACS 151	C Programming	4
CAAC 152	Financial Accounting	3
CAEN 153	English II	3
CAMT 154	Mathematics II	3
CACS 155	Microprocessor and Computer Architecture	3
Total		**16**

Semester III

Course Code	Course Title	Credit Hrs.
CACS 201	Data Structure and Algorithms	3
CAST 202	Probability and Statistics	3
CACS 203	System Analysis and Design	3
CACS 204	OOP in Java	3
CACS 205	Web Technology	3
Total		**15**