

# BCA

Bachelor in Computer Application

+2 | BA | BSW | BBS | B.Ed. | MBS

BE A JBIAN,  
BE A GOOD CITIZEN



A QAA  
CERTIFIED  
CAMPUS



जन भावना क्याम्पस  
JANA BHAWANA CAMPUS

Accredited by University Grants Commission (UGC) Nepal (Accreditation Year 2019)

## Introduction

Jana Bhawana Campus, Situated at Godawari-11, Chapagaun, Lalitpur, is a leading academic institution established in 1991 by a team of renowned academicians, educationists and professionals. It has become a **QAA certified institution** and has been striving forward with potent determination, dedication and well set plan to become **an autonomous institution**. It has been running BBS, BA, B.Ed, BSW in yearly system and BCA & MBS in Semester System under Tribhuvan University(TU) with a commitment to provide quality education. It is a community college run by a campus assembly which comprises academicians, educationists, social workers and professionals. This academic institution has become successful in achieving outstanding result in the board result of NEB and TU. It is committed to impart theoretical and practical quality education. The campus aims to develop its students as the responsible citizens of the country and instill the sense of pride being the JBIan (the students of JBC). "BE A JBIAN, BE A GOOD CITIZEN" is therefore the motto of the campus.

## Vision

To become a leading higher education institution which prepares globally competent human resources and transform the society by enhancing quality education

## Mission

To prepare competent, qualified and creative human resources to overcome the challenges of life by enabling the students to explore the new avenues of knowledge and prosperity

## Objectives

JBC aims at:

- Creating competent, disciplined, innovative and responsible citizens for the nation
- Enhancing the employment prospects of its students
- Prioritizing research oriented learning methodology and involving the students in research work
- Ensuring quality education
- Inculcating ethical and moral values of life



Quality Assurance and Accreditation (QAA) system ensures that an institution of higher education fulfills a set of criteria, not only at institutional level but also in its academic programs and performance to offer better results to the society.

# BCA

Bachelor in Computer Application

Affiliated with  
TU 2075

Bachelor of Computer Application is a four year technical academic program which provides a Bachelor degree in technical Humanities and Social Sciences faculty. The program of study for Bachelor of Arts in Computer Application is over a period of eight semesters (four academic years). This course aims at providing highly qualified professionals impart both technical theoretical and practical knowledge in computer system and its application.

## Objectives

The objectives of Bachelors of Arts in Computer Application (BCA) at the Faculty of Humanities and Social Sciences of Tribhuvan University is to produce high quality computer application users and developers.

## Duration of the program

The program of study for Bachelor of Arts in Computer Application (BCA) is over a period of eight semester (four academic years).

## Eligibility

Students who have passed PCL or 10+2 with minimum CGPA 2.0 (not less than D+ in every single subject) are eligible to apply for entrance test. The candidates shall be admitted on merit basis.



# Bachelor of Arts in Computer Application (BCA) Course Structure



Courses	Credit Hours
Computer Application (Core Course)	71 (4*2+3*21)
Elective Courses	12 (3+3+3+3)
Mathematics and Statistics Courses	9(3+3+3)
Language Courses	6(3+3)
Social Sciences and Management Courses	15(3+3+3+3+3)
Projects & Internships	13 (2+2+6+3)
<b>Total Credit Hours</b>	<b>126</b>

## First Year

### First Semester

SN	Course Code	Course Title	Credit Hrs.	Lecture Hrs.	Tutorial Hrs.	Lab Hrs.
1	CACS101	Computer Fundamentals & Application	4	4	-	4
2	CASO102	Society & Technology	3	3	-	-
3	CAEN103	English I	3	3	1	-
4	CAMT104	Mathematics I	3	3	1	1
5	CACS105	Digital Logic	3	3	-	2
		<b>Total</b>	<b>16</b>	<b>16</b>	<b>2</b>	<b>7</b>

### Second Semester

SN	Course Code	Course Title	Credit Hrs.	Lecture Hrs.	Tutorial Hrs.	Lab Hrs.
1	CACS151	C Programming	4	4	1	3
2	CAAC152	Financial Accounting	3	3	1	1
3	CAEN 153	English II	3	3	1	-
4	CAMT 154	Mathematics II	3	3	1	1
5	CACS155	Micro Processor and Computer Architecture	3	3	1	2
		<b>Total</b>	<b>16</b>	<b>16</b>	<b>5</b>	<b>7</b>

## Second Year

### Third Semester

SN	Course Code	Course Title	Credit Hrs.	Lecture Hrs.	Tutorial Hrs.	Lab Hrs.
1	CACS201	Data Structures & Algorithms	3	3	-	3
2	CAST202	Probability and Statistics	3	3	1	1
3	CACS203	System Analysis and Design	3	3	1	-
4	CACS204	OOP in Java	3	3	1	2
5	CACS205	Web Technology	3	3	-	3
		<b>Total</b>	<b>15</b>	<b>15</b>	<b>3</b>	<b>9</b>

### Fourth Semester

SN	Course Code	Course Title	Credit Hrs.	Lecture Hrs.	Tutorial Hrs.	Lab Hrs.
1	CACS251	Operating System	3	3	1	2
2	CACS252	Numerical Methods	3	3	1	2
3	CACS253	Software Engineering	3	3	1	-
4	CACS254	Scripting Language	3	3	-	3
5	CACS255	Database Management System	3	3	1	2
6	CAPJ256	Project I	2	-	-	4
		<b>Total</b>	<b>17</b>	<b>15</b>	<b>4</b>	<b>13</b>

## Third Year

### Fifth Semester

SN	Course Code	Course Title	Credit Hrs.	Lecture Hrs.	Tutorial Hrs.	Lab Hrs.
1	CACS301	MIS and e-Business	3	3	-	2
2	CACS302	DotNet Technology	3	3	-	3
3	CACS303	Computer Networking	3	3	-	2
4	CAMG304	Introduction to Management	3	3	1	-
5	CACS305	Computer Graphics and Animation	3	3	1	2
		<b>Total</b>	<b>15</b>	<b>15</b>	<b>2</b>	<b>9</b>

### Sixth Semester

SN	Course Code	Course Title	Credit Hrs.	Lecture Hrs.	Tutorial Hrs.	Lab Hrs.
1	CACS351	Mobile Programming	3	3	-	3
2	CACS352	Distributed System	3	3	1	-
3	CAEC353	Applied Economics	3	3	1	-
4	CACS354	Advanced Java Programming	3	3	-	3
5	CACS355	Network Programming	3	3	-	2
6	CAPJ356	Project II	2	-	-	4
		<b>Total</b>	<b>17</b>	<b>15</b>	<b>2</b>	<b>12</b>

## Fourth Year

### Seventh Semester

SN	Course Code	Course Title	Credit Hrs.	Lecture Hrs.	Tutorial Hrs.	Lab Hrs.
1	CACS401	Cyber Law & Professional Ethics	3	3	1	-
2	CACS402	Cloud Computing	3	3	-	3
3	CAIN403	Internships	3	-	-	-
4		Elective I	3	3	-	-
5		Elective II	3	3	-	-
		<b>Total</b>	<b>15</b>	<b>12</b>	<b>1</b>	<b>3</b>

### Eighth Semester

SN	Course Code	Course Title	Credit Hrs.	Lecture Hrs.	Tutorial Hrs.	Lab Hrs.
1	CAOR451	Operations Research	3	3	1	-
2	CAPJ452	Project III	6	-	-	12
3		Elective II	3	3	-	-
4		Elective IV	3	3	-	-
		<b>Total</b>	<b>15</b>	<b>9</b>	<b>1</b>	<b>12</b>

## List of Electives

SN	Course Code	Course Title	SN	Course Code	Course Title
1	CAPS476	Applied Psychology	6	CACS482	Knowledge Engineering
2	CACS477	Geographical Information System	7	CACS483	Advanced DotNet Technology
3	CACS478	IT in Banking	8	CACS484	Database Programming
4	CACS479	Hotel Information System	9	CACS485	Database Administration
5	CAER480	Enterprise Resource Planning	10	CACS486	Network Administration

## Teaching Faculty - BCA

### Computer Application

Santosh Adhikari  
(HoD / BCA Co-ordinator)  
Niraj Acharya  
Bhuwan Adhikari  
Bishal Thapa

### Economics

Roshan Karmacharya

### Sociology/Society and Technology

Keshav Silwal  
Harihar Lamichhane  
Suman Katuwal  
Shanti KC  
Ramkrishna Humagain

### Visiting Faculty

**Prof. Dr. Subarna Shakya**, Ph.D. Computer Engineering,  
Institute of Engineering, Pulchowk

**Dr. Pushpa Raj Rajkarnikar**, Ph.D. Trade and Finance  
Former CEO, NCC Bank  
Former Hon'ble Member, National Planning Commission  
Former Deputy Governor, Nepal Rastra Bank

**Dr. Mana Mohan Shrestha**, Ph.D. Financial Management  
Honorary Campus Chief, JBC  
Former Director, Nepal Administrative Staff College

**Dr. Mukesh Chalise**, Ph.D. Ecology, Behaviour  
Coordinator Advisory committee, JBC  
Associate Professor, TU

**Prof. Dr. Keshav Khadka**, Ph.D. Economics  
Former chairperson, Nepal Bank Limited

**Dr. Dilli Raj Khanal**, Ph.D. Economics  
Former Member, National Planning Commission

**Dr. Arun Gupto**, Ph.D. English, Professor, TU

**Dr. Bamdev Sigdel**, Ph.D. Economics  
Director, Nepal Rastra Bank

**Mr. Naba Raj Poudel**, Head of Department, CDCSIT, TU

### Mathematics

Nirmal Neupane

### English

Deepak Sharma  
Govinda Sanjel  
Sanjaya Timsalsina  
Kuber Prasad Bhattarai  
Nisha Mahat

### Finance

Ailendra KC  
Narendra Maharjan  
Vishal Joshi

## Board of Directors

Chairperson	:Mitha Ram Sharma
Vice Chairperson	: Rabins Sharma
Member	: Hari Dahal
Member	: Gajendra Maharjan, Mayor, Godawari Municipality
Member	: Char Sundar Maharjan
Member	: Sumukhi Shrestha
Member	: Ram Hari Ghimire
Member	: Dilli Ghimire
Member	: Bed Bahadur Lama
Member	: PrabinPrakashShrestha
Member	: Nirmal Neupane
Member	: TU Representatives
Member-Secretary	: Shiva Raj Sanjel

## Advisory Board

Coordinator	: Mr. Surendra Mohan Sharma
Member	: Naba Raj Silwal, MP, House of Representatives
Member	: Chet Nath Sanjel, MP, Province no. 3
Member	: Uday Samsher Rana
Member	: Ganga Parajuli, CA, Member
Member	: Dr. Pusparaj Rajkarnikar
Member	: Dr. Mana Mohan Shrestha
Member	: Rishiram Ghimire

## Administrative Staff

Sunita Silwal	: EMIS Officer
Prabha Maharjan	: Accountant
Deepa Mahat	: Library Assistant
Nirmal Acharya	: Sr. Admin Assistant
Radhika Maharjan	: Supporting Staff
Tirtha Maharjan	: Supporting Staff
Sarita Dahal	: Supporting Staff
Samjhana Ghyaba	: Receptionist/ Finance Assistant

## Why JBC?

- Student friendly learning environment
- Well-managed computer lab
- Online lab and free internet facilities
- Online learning portal <https://janabhawana.egskill.com>
- Well-managed and equipped hardware lab for BCA students
- Qualified, dedicated, well experienced team of teachers
- Personal cum career counseling
- Spacious and manageable classrooms
- Provision of visiting professors
- Well-managed library with a wide variety of books, magazines and newspapers
- Modern teaching methodology with the provision of workshop, seminar
- English medium classes
- Radio Studio
- Full furnished Seminar Hall
- Regular evaluation system
- Provision of field visit and internship
- Experts facilitating research services to the students
- Guidance to involve the students in socially related project works



Affiliated to Tribhuvan University

# जन भावना क्याम्पस

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