

Innovation is our Tradition

If you are considering a higher education programme,
you are about to make a decision which will change your life



100%
Job placement

BCA
Bachelor of
Computer Application

BBS
Bachelor of
Business Studies

TU Affiliate



Charumati Campus
Chabahil, Sifal, Kathmandu
Web : www.charumaticollege.edu.np
Tel : 014480609, 4480610

BCA

Bachelor of Computer Application



Bachelor in Computer Application (BCA) is an undergraduate degree course in computer applications. With the rapid growth of IT industry in Nepal, the demand of computer professional is increasing day by day. This increasing growth of IT industry has created a lot of opportunities for the computer graduates.

BCA is one of the popular courses among the students who want to make their career in the IT (Information Technology) field. The duration of the course is 4 years and divided into 8 semesters. It comprises of the subjects like database, networking, data structure, core programming languages like 'C' and 'java'. This course provides a lot of opportunities to the students who are interested in computer field and wants to work in the IT sector as programmer or software developer.

OBJECTIVE

The objective of the BCA program at the Faculty of Humanities and Social Sciences of Tribhuvan University is to produce high quality computer application users and developers.

Message from Charumati Campus team

It's a matter of pleasure and pride for us to extend a warm welcome to all our new students. As we greet you to our prestigious institution, we wish to assure you that the environment we offer here is like a home away from home. Your teachers and the entire staffs are here to guide you and help you with all problems.

We have a strong infrastructure, with well equipped computers, classrooms and an auditorium. Our staff is a committed faculty, who are adept at using advanced teaching aids. It is our aim to help every student realize the dreams they envision. For that, we provide sufficient opportunities to each student to discover and understand themselves. We also wish to help them face and overcome challenges that accost them and to make student life fulfilling and complete. We provide a holistic education.

Given a strong and sound infrastructure, we would like our students to work in an environment, where they are stretched and challenged. We have high expectations of them to achieve demanding targets.

Student leadership is within the very fabric of our institution. We have the Student Council which helps ensure that the views of our students are represented. We strive to foster emotional and social intelligence, so that they emerge as balanced human beings. We believe that it is imperative to teach students to apply what they learn. Teachers encourage students to use their judgment in applying their knowledge to a problem.

We wish success and happiness to the students and are deeply grateful to the parents and teachers for walking in step with us at all times.

Thank You !!

We encourage students to bring their own ideas and imagination to the class, giving them the freedom to really explore their creativity.

We provide practical advice to guide their progress as well as plenty of activities, guest speakers and trips. Our industry links also ensure our students develop a greater insight into the industry.



Message from IT Industry Experts



Sakar Shrestha
VP of Engineering
Verscend Technologies



Pravesh Vaidhya
Deputy Director
LogPoint



Lava Kafle
Big Data Consultant
GrowByData



Prakash Aryal
Senior Project Manager
Verscend Technologies

Welcome to Charumati Campus. Our Undergraduate degrees are available in a variety of forms to suit the needs of our students and the many careers available in industry and commerce worldwide. Computer Science is a fascinating subject, and one that is now indispensable in our lives. Almost every aspect of modern life involves computing - from mobile phones, TVs, planes, trains and cars, to gaming, security and medicine. The digital world is really upon us. Looking to the future, initiatives such as cloud computing will connect us all through small portable devices, enhancing social networking and allowing us to exchange audio and video data from our daily lives.

By studying Computer Science at Charumati Campus, you will get both an understanding of the wonderful subject that is Computer Science, and also equip yourself with the skills to have a great career ahead of you. As a student at AIT, you have the opportunity to study a variety of subjects encompassing all aspects of Computer Science. We have some unique aspects in our courses. For example, our **Aadim TECH offers you the chance to be part of in house Research & Innovation Center**, and gives you a real insight into being a professional.

A Charumati Campus education is about you, the student, supported by an enthusiastic community of professional teaching and research staff. If you decide to study Computer Science at Charumati Campus, you will benefit from our high teaching quality supported by highly competent academic and professional staffs. You will also meet the staff and students in research groups working at the leading edge of the technologies, often supported by national and international industrial links. Our teaching and research facilities are excellent, and continue to benefit from large investments in state-of-the art IT and real-time computing systems.

We hope that it encourages you to apply to study Computer Science here at Charumati Campus. As you embark upon your University career, we, in Computer Science would like to wish you well in your future studies.



About AadimTech

Aadim Tech is a center for a facility dedicated to research & Innovation with the focus on IT industries. It will help develop strong problem-solving skills and a good grasp of the theoretical and practical aspects of software development.

It Provides platform for the students to:

- ▶ Apply good practice approaches according to the relevant paradigm Software designs and specifications
- ▶ Understand & apply 'coding standards' or good practice for the coding industry
- ▶ Testing frameworks and methodologies
- ▶ Company, team or client approaches to continuous integration, version and source control
- ▶ Respond to the business environment and business issues
- ▶ Operating in their own business, their customer's and industry environments
- ▶ Can apply the maths required (e.g. algorithms, logic and data structures)
- ▶ Understand how teams work effectively to produce software and contribute appropriately
- ▶ Understand and apply software design approaches and patterns.
- ▶ Can interpret and implement a given design, compliant with security and maintainability requirements

What next?

Continue your career as a software developer. The College offers a range of professional courses, project works and internship to further your career in this field.

About the College

Charumati Campus is one of the finest urban colleges in Nepal established in 2071 affiliated to Tribhuvan University located at prime location of Kathmandu a walking distance from ring road. At the undergraduate level, the college offers 4 years 8 semesters BCA (Bachelor of Computer Application) & BBS (Bachelor of Business Studies) degrees. Moreover, the college is going to Launch BScCSIT, BBM, BSW, and MBS program in near future.

At Charumati, we recognize that higher education is a sound investment in your future. Whether you want to gain an edge in the job market, enhance your promotion prospects or even chart a completely new career direction, we can help you to achieve your ambitions.



What all these programme have in common is high-quality, up-to-date content and excellent teaching, underpinned by robust links with employers and enterprising partnerships with different industries. We focus on the key skills that employers need in the workplace, paving the way for our students to advance in sustainable, well- paid careers.

You will be taught by enthusiastic faculty with vast experience in their fields. You will also benefit from Professional training and internship in different industry across the nation or abroad.



**Our intention is
to provide the
best possible
experience
for our
students**



Mission

Charumati Campus is welcoming, engaged, and committed to innovation and excellence in education, research, creative activity and community partnerships. It dares to be different and draws on its diversity to transform the individual, strengthen society and enrich the world.

Vision

Charumati Campus's vision is to rank among Nepal's top five best colleges within the next 5 years, and to be a first choice for students and faculties.

Excellence

Charumati Campus values the curiosity and engagement of its faculty, staff, and students. Curiosity about the world around us, respectful engagement with those who inhabit it, and strong determination to improve it leads to productive exploration of current understandings, a rich spectrum of creative activity and practice, and the creation and dissemination of new knowledge.

Opportunity

Charumati Campus values the openness and respect necessary to provide opportunities to a highly diverse students. Diversity at this college is interpreted broadly: for example, in addition to embracing diversity in ethnicity, gender, language, and accessibility, College provides students with different and original ways of exploring their interests. Enabling faculty, staff and students to make a progressive impact on their world in ways that respect and engage the uniqueness of each individual is a hallmark of Charumati College.

Quality of Life

Charumati Campus values a secure and respectful learning environment and workplace. Charumati Campus is committed to promoting a healthy, safe and sustainable campus and to enhancing the quality of life of the community in which we live in.



Our aim is to deliver first class, innovative and responsive higher education programmes which meet the needs of individuals, employers and society.

Supervisions and Workshops

Supervisions are the cornerstone of the Charumati for degree. If you are on an undergraduate course, you will have between one and four of these intensive, small-group sessions each week, allowing you to discuss your work in detail with an expert in the field, and consolidate your learning. At Charumati, we devote considerable time and energy to recruiting the best supervisors for our students, from right across the University.



Supporting you all the way

We are dedicated to helping you achieve your potential. With this in mind, we provide a wide range of support services to make your time inside and outside the classroom easier and more enjoyable.

Career Coach

We offer a online Career Coach service, which is designed to provide you with the most current local data on wages, employment, job postings and relevant training on hundreds of potential careers. For more information, please visit: www.ait.edu.np

Work experience

We work closely with local employers and an organization called Learning to Work to offer students structured work experience programmes and internships, which will enable you to gain a valuable insight into real work environments

Volunteering

Volunteering in the community is a great way to complement your studies and enhance your CV. It is also a rewarding way to meet new people and develop a range of essential skills. We work in partnership with local voluntary organizations to provide placements for students. You can be as flexible as you like and do it around exams, work and your social life. The opportunities are almost endless – from Kathmandu to Karnali and outside country as well.

Innovation and entrepreneurship

We have an exciting innovation programme, which offers you the chance to work collaboratively with students from other subject areas to develop new business ideas and inventions. Guided by the College's Incubation Center's Experts, you will be able to work with local employers, industry experts and some of the latest technology to bring your ideas to life. The project will enable you to develop your entrepreneurial skills and some students will even have the chance to pitch their ideas to a panel of business leaders

Advice and guidance

Our professionally qualified careers advisors are always on hand to help you plan for your future, whether it's going to university, continuing at college or finding a job. They can also help you access lots of information and materials to ensure you get all the details and guidance you need. Whatever your age, goals or experience, our advisers will be happy to help.

Career Zone

We have career advisers available throughout the year to help you obtain part-time work to support yourself while you study or find full-time employment on leaving college. Our advisers can provide you with:

- ▶ Access to information on job vacancies
- ▶ Help writing and updating your cv
- ▶ Job search skills
- ▶ Support with completing applications
- ▶ Interview practice



BCA

Bachelor of Computer Application



Bachelor in Computer Application (BCA) is an undergraduate degree course in computer applications. With the rapid growth of IT industry in Nepal, the demand of computer professional is increasing day by day. This increasing growth of IT industry has created a lot of opportunities for the computer graduates.

BCA is one of the popular courses among the students who want to make their career in the IT (Information Technology) field. The duration of the course is 4 years and divided into 8 semesters. It comprises of the subjects like database, networking, data structure, core programming languages like 'C' and 'java'. This course provides a lot of opportunities to the students who are interested in computer field and wants to work in the IT sector as programmer or software developer.

OBJECTIVE

The objective of the BCA program at the Faculty of Humanities and Social Sciences of Tribhuvan University is to produce high quality computer application users and developers.

Job Opportunities

- ▶ Information Systems Engineer
- ▶ System Administrator
- ▶ Network Engineer
- ▶ Network System Professional
- ▶ Software Engineer
- ▶ Information Security Officer
- ▶ Telecom Engineer
- ▶ Database Administrator/Manager
- ▶ System Analyst
- ▶ Graphic Designer
- ▶ Software Developer/Programmer
- ▶ MIS Officer

Career Option

- ▶ Information Systems Management
- ▶ Network Administration & Security Management
- ▶ New Media/ Internet Marketing
- ▶ Project Management
- ▶ Web Development
- ▶ Application Development
- ▶ Database Management
- ▶ Health Informatics
- ▶ Information Security and Forensics
- ▶ Mobile Computing

Eligibility for Admission

The candidate applying for BCA program must have:

- Successfully completed a twelve-year schooling or equivalent from any University, Board or Institution recognized by Tribhuvan University.
- Secured a minimum of second division (45%) or minimum C grade in all subjects in the twelve-year schooling or equivalent.
- Secured minimum CGPA 2.0.

Course Structure

S.N.	Course Title	Credit Hrs.
1.	Computer Application (Core Courses)	71
2.	Elective Courses	12
3.	Mathematics & Statistics Courses	9
4.	Language Courses	6
5.	Social Sciences & Management Courses	15
6.	Projects & Internships	13
Total		126

Admission Criteria

Candidates who pass the entrance exam taken by university will be interviewed and the selected candidate from interview will be eligible for admission.

List of Elective Subjects

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





BCA COURSES

FIRST SEMESTER

S.N.	Course Code	Course Title	Credit Hrs.
1.	CACS 101	Computer Fundamentals & Applications	4
2.	CASO102	Society & Technology	3
3.	CAEN103	English I	3
4.	CAMT104	Mathematics I	3
5.	CACS105	Digital Logic	3
Total			16

FIFTH SEMESTER

S.N.	Course Code	Course Title	Credit Hrs.
1.	CASC301	MIS and e-Business	3
2.	CASC302	DotNet Technology	3
3.	CASC303	Computer Networking	3
4.	CAMG304	Introduction to Management	3
5.	CASC305	Computer Graphics and Animation	3
Total			15

SECOND SEMESTER

S.N.	Course Code	Course Title	Credit Hrs.
1.	CACS151	C Programming	4
2.	CACS151	Financial Accounting	3
3.	CAEN153	English II	3
4.	CAMT154	Mathematics II	3
5.	CACS155	Microprocessor and Computer Architecture	3
Total			16

SIXTH SEMESTER

S.N.	Course Code	Course Title	Credit Hrs.
1.	CACS351	Mobile Programming	3
2.	CACS352	Distributed System	3
3.	CAEC353	Applied Economics	3
4.	CACS354	Advanced Java Programming	3
5.	CACS355	Network Programming	3
6.	CAPJ356	Project II	2
Total			17

THIRD SEMESTER

S.N.	Course Code	Course Title	Credit Hrs.
1.	CACS201	Data Structure & Algorithms	3
2.	CAST202	Probability and Statistics	3
3.	CACS203	System Analysis and Design	3
4.	CACS204	OOP in Java	3
5.	CACS205	Web Technology	3
Total			15

SEVENTH SEMESTER

S.N.	Course Code	Course Title	Credit Hrs.
1.	CACS401	Cyber Law & Professional Ethics	3
2.	CACS402	Cloud Computing	3
3.	CAIN403	Internship	3
4.		Elective I	3
5.		Elective II	3
Total			15

FOURTH SEMESTER

S.N.	Course Code	Course Title	Credit Hrs.
1.	CACS251	Operating System	3
2.	CACS252	Numerical Methods	3
3.	CACS253	Software Engineering	3
4.	CACS254	Scripting Language	3
5.	CACS255	Database Management System	3
6.	CACS255	Project I	2
Total			17

EIGHT SEMESTER

S.N.	Course Code	Course Title	Credit Hrs.
1.	CAOR451	Operations Research	3
2.	CAPJ452	Project III	6
3.		Elective III	3
4.		Elective IV	3
Total			15

BBS

with Computer Science



BBS level (Bachelor of Business Studies) is one of the well recognized TU-affiliated 4-years academic program which lays a strong foundation in required areas of business such as Economic Analysis of the business world, language, legal environment, quantitative methods and research methods to prepare graduates to understand, analyze and comprehend the management concepts, theories and practices. In order to provide graduates with significant degree of functional expertise, this program also provides opportunity to concentrate on one area of specialization such as accounting, finance, management science, human resource management and marketing. After completion of this level, BBS graduates will be able to develop necessary foundation for further higher studies in management and thereafter take up careers in teaching, research and consultancy.

OBJECTIVES

- ▶ Equip the students with the required conceptual knowledge of business and administration to develop a general management perspective in them.
- ▶ Develop required attitudes, abilities and practical skill in students, which constitute a foundation for their growth into competent and responsible business managers.
- ▶ Encourage entrepreneurial capabilities in students to make them effective change agents in the Nepalese society.
- ▶ Develop necessary foundation for higher studies in management and thereafter take up careers in teaching, research and consultancy.

Eligibility Conditions for Admission

The candidate applying for admission to the BBS programme:

- ▶ Must have successfully completed the PCL or 10+2 in business/commerce or an equivalent course from a Higher Secondary School Board, or from Tribhuvan University, or from any other University/Board recognized by TU.
- ▶ Must have studied English as a full paper at the PC level or 10+2
- ▶ Must have secured the minimum marks at the PC level or 10+2 as prescribed by the Faculty Board or the campus concerned.
- ▶ Must satisfy any other entry requirements or criteria including the entrance test as prescribed by the Faculty Board or the campus

SHIFT: 6:30-9:10 (Morning) | 5:30-8:10 (Evening)

First year

Business English
Micro-economics
Business Statistics
Principle of Management
Accounting for Financial Analysis
Computer Course (Advance Word,Excel, Powerpoint)

Second Year

Business Communication
Macro-economics
Cost and Management Accounting
Fundamentals of Marketing
Foundation of Human Resource
Computer Course (Website Designing)

Third Year

Business Environment & Strategy
Fundamentals of Financial Management
Business Law
Taxation and Auditing
Organizational Behavior
Computer Course (Graphics Designing)

Fourth Year

Entrepreneurship and Enterprise Development
Concentration Area: I
Concentration Area: II
Concentration Area: III
Business Research Methods
Computer Course (Project Work)



 **Charumati Campus**
Chabahil, Sifal, Kathmandu

Web : www.charumaticollege.edu.np
Tel : 014480609, 4480610