



# NATIONAL COLLEGE OF COMPUTER STUDIES

2025

## OUR PROGRAMS

**BITM**

**BHM**

**BSc.CSIT**

**BBM**

**BCA**



[www.nccs.edu.np](http://www.nccs.edu.np)

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## A QUALITY CERTIFIED INSTITUTION



ACCREDITED BY UNIVERSITY GRANTS COMMISSION (UGC), NEPAL-2022



# Message from the Principal

Dear Students, Parents and Guardians

Welcome to National College of Computer Studies (NCCS). NCCS centrally located at Paknajol, Kathmandu is affiliated to the Tribhuvan University (T.U.) for Bachelor of Information Technology Management (BITM), Bachelor of Hotel Management (BHM), Bachelors of Science in Computer Science & Information Technology (BSc.CSIT), Bachelor of Business Management (BBM) and Bachelor of Computer Application (BCA) with the aim of achieving excellence.

Our fundamental purpose is to provide outstanding educational programs in a safe, well-equipped, good teaching and learning and peaceful environment. Throughout the education period in NCCS regular follow-up of the students' progress will be observed as well as the individual attention will be given. And we provide them the opportunities to explore, be challenged and become connected with caring and dedicated educators.

We at NCCS are blessed with latest and wonderful facilities however it is what takes place within these walls, in the classrooms and throughout the complex that makes NCCS a special place. We strive to continue to develop new programs and incorporate new techniques that will better prepare our students for the country and the abroad.

NCCS provides a superior education, as students gain a true appreciation of the value of learning, the academic skills and knowledge needed for future success, and the opportunities of developing leadership and dynamic personality. Our graduates will have acquired the characteristics needed for a successful post graduate career and happy productive life.

From the very inception of NCCS, our aim was to equip our students with the best possible high quality education from our well qualified, experienced and dedicated teachers. And our past experiences and achievements have proved that all-round development of a student is what it counts at the end. Our students have achieved excellence not only in the academic field but equally in extra-curricular activities. To promote such multi-dimension we have made all our efforts to equip the complex with all the necessary facilities.

We are excited about the opportunities we have for learning and working together in order to benefit our students at NCCS. We believe that students' education is shared responsibility of college and home. I cordially invite all the parents and guardians to visit our college often and be an active participant in your ward's education. Together we can do it.

Lastly, I would like to thank you for your interest in NCCS and would like to wish you all the best.  
Thank you !



Ganeshman Singh Basnyat  
Principal





## Introduction

National College of Computer Studies (NCCS), college of IT and Management, is a highly professional and experienced college based in Kathmandu which was established in 1999. It comprises of multitiered professionals considered among the best in the industry. It educates all students, not only to face the challenges of the fast-moving industry but also to perform exceedingly well. NCCS is fully dedicated in providing university curriculum to students. It is affiliated with Nepal's oldest and prestigious Tribhuvan University. In this regard it is conducting four years Bachelor of Information Technology Management program, four years Bachelor of Hotel Management Program, four years Bachelor of Science in Computer Science and Information Technology, four years of Bachelor of Business Management and four years of Bachelor of Computer Application.



NCCS is truly an institution on the move, committed towards excellence in the field of education. Focusing in the field of Information Technology and Management, NCCS provides a best opportunity for the students to have all-round development. Its surplus extra-curricular activities, games and participation in inter college events bring forth all the talents of the young minds to take the challenges of this century to stand as the best in every aspect of the life.

## Vision and Mission

A literate society with a purpose, a progressive society with ideas and a conscious society working towards establishing a better and brighter future for all.

To achieve our Vision, we will work diligently in the field of education to impart upon eager minds the tools, skills, knowledge and solutions required for visible and rapid progress in our society.

## Objectives

NCCS aims to become a center of learning for young students who are determined to meet the challenges posed by the increasing pace of the scientific advancements and mobilization. NCCS not only knowing what and how but making students self-confident, self-disciplined and self-reliant by stressing value education, social work, counseling, career guidance, leadership training and other extracurricular activities has been the major focus at NCCS.

## Location

At present NCCS is situated at the heart of the city in its own land expanding in 5 ropanis at Paknajol, Kathmandu. The location is easily reachable from any part of the valley. This area is already growing out as an educational sector with Tribhuvan University affiliated colleges and Nepal Government schools. NCCS will add to its identity. The College Management Committee is committed in expanding the College in much broad area outside the ring road for its campus complex as its future plan.



## Infrastructure and Environment

NCCS's complex is well equipped for imparting quality education and overall growth of the students with separate blocks/buildings for administration, education, sports and students' hostel. All these complexes are well furnished and equipped with modern services required by the college for teaching and learning. NCCS believes in the saying "queenly care and royal jelly makes the queen bee" thus we focus on giving the best possible educational environment to our students.



## Facilities

### Be All rounder at NCCS

Its belief in "all-round development makes efficient product" has initiated NCCS to install different sporting sites within its own complex which includes both indoor and outdoor games. Basketball, cricket, pool, table-tennis are few to be mentioned here. Elocution, public speaking, group-discussion, debate and seminars held within the complex will lead the student to be a step ahead among other competitors in any aspect of their life.

### High-tech Hotel Management and Cozy computer lab

Specialized training kitchens and restaurants, bakery and confectionery labs, housekeeping lab and training guest room facilities, front office lab, computer lab with latest technology, audio visual facilities etc.

### Library at home and college

We are more ahead of others by following closely with today's technology. NCCS offers both online and traditional library with rich resources of information. Logon and access the resources from anywhere on its website or borrow a book from the library.

### Innovation is what matters

"Research and development leads to innovation"— that is what our students are capable of. In the research wing of the students', students utilize their knowledge gathered to be the leaders.

### NCCS on-line

NCCS provides collaborative platform for students to easily manage activities and work together effectively by communicating ideas and sharing information.

### Cafeteria

No need to worry! If you need to rush to the college, NCCS has cafeteria within its complex where you can subside your hunger and take a rest for a moment enjoying your food.







## Bachelor Of Information Technology Management [BITM]

The Bachelor of Information Technology Management (BITM), formerly known as BIM (Bachelor of Information Management) is a four year eight semester program of the Faculty of Management, Tribhuvan University offering integrated Information Technology and Management courses. This course is envisioned to enable students to develop skills in information technology, and then apply the theories and concepts of a broad, integrated curriculum covering computing, informatics, business fundamentals, and critical and analytical decision-making. The mission of FOM's BITM program is to develop socially responsive, creative, and result oriented information technology (IT) and management professionals. The BITM program is designed to equip graduates with the skills and attributes required to be effective and efficient information technology professionals.

The main objectives of the program are as follows:

1. Prepare IT professionals proficient in the use of computers and computational techniques with information technology in order to develop effective information systems to solve real life problems in the organizational milieu.
2. Develop students' skill in object-oriented software design methods and data management systems focusing with IT and management entrepreneurial skills.
3. Provide professional training to students by combining information technology with managerial skills.
4. Prepare students to proceed on to postgraduate level study in information management within and outside the country with management, IT and leadership skills.

### Eligibility Condition for Admission

Students applying for admission to the BITM program must have:

1. Successfully completed twelve-year schooling or its equivalent from any university, board or institution recognized by Tribhuvan University.
2. Minimum of grade D in theory and grade C in practical examination in each subject with CGPA 1.8 or more / Secured at least second division in the 10+2, PCL or equivalent program; and
3. Complied with all the application procedure.

## FIRST SEMESTER

ITM 101	Introduction to Computing and Information Technology	3
ITM 102	Structured Programming in C	3
ENG 103	English I	3
MGT 103	Foundation of Business Management	3
MTH 103	Basic Mathematics	3

## SECOND SEMESTER

ITM 151	Digital Logic	3
ITM 152	Object Oriented Programming with Java	3
ITM 153	Discrete Structure	3
ENG 153	Business Communications	3
MGT 153	Organizational Behavior & Human Resource Management	3

## THIRD SEMESTER

ITM 201	Microprocessor and Computer Architecture	3
ITM 202	Web Programming I	3
ITM 203	Database Management System	3
ACC 205	Financial Accounting and Analysis	3
STT 204	Business Statistics	3

## FOURTH SEMESTER

ITM 251	Web Programming II	3
ITM 252	Data Structure and Algorithms	3
ITM 253	Computer Networking	3
ITM 254	Programming with Python	3
ECO 253	Economics for Business	3
ACC 253	Cost and Management Accounting	3

## FIFTH SEMESTER

ITM 301	Operating System	3
ITM 302	Information System for Business Management	3
ITM 303	Artificial Intelligence	3
ITM 304	Cyber Security	3
MKT 303	Fundamentals of Marketing	3

## SIXTH SEMESTER

ITM 351	Data Warehouse & Mining	3
ITM 352	Software Engineering & System Analysis	3
ITM 353	IT Innovation & Entrepreneurship	3
FIN 353	Fundamentals of Corporate Finance	3
MGT 253	Business Environment	3
RCH 353	Business Research Methods	3

## SEVENTH SEMESTER

SOC 403	Sociology for Business Management	3
MGT 403	Operations Management	3
MGT 404	Strategic Management	3
Elective I		3
ITM 448	Project	3

## EIGHT SEMESTER

ITM 451	Business Data Analytics	3
ITM 452	Cloud Computing	3
ITM 453	E-Commerce & Digital Marketing	3
Elective II		3
ITM 498	Internship	3

## ELECTIVES

ITE 441	Financial Technology (7th)	3
ITE 442	System & Network Administration (7th)	3
ITE 443	Foundation of Data Science (7th)	3
ITE 444	Software Project Management (7th)	3
ITE 445	Mobile Programming (7th)	3
ITE 491	Advance Networking (8th)	3
ITE 492	Database Administration (8th)	3
ITE 493	Machine Learning (8th)	3
ITE 494	Security Management (8th)	3
ITE 495	Digital - Governance (8th)	3

## Internship

In the final semester, students shall be attached to organizations where they have to work for a period of eight weeks. Each student shall prepare an individual project report in the prescribed format based on his / her work in the respective organization assigned to him / her. Evaluation of the internship shall be based on the confidential report by the organization, project report and presentation of the report. The report must be submitted by the end of the eighth semester. Students must secure a minimum grade of "C" in the internship. The internship carries a weight equivalent to 3 credit hours.



# Bachelor of Hotel Management [BHM]

Upon successful completion of Bachelor's Program in Hotel Management (BHM), the students will get transformed into service-minded specialists for hotel, restaurant and tourism industry. Graduates with developed entrepreneurial spirit will be able to develop applicable problem solving methods in practical situations. Furthermore they will be able to process ideas on a theoretical level and apply this knowledge independently and creatively in different situations related to hotel business. The aim of the programme is that the graduates have the necessary qualifications for supervisory, managerial, consulting, planning and development positions in the international hotel industry.

## Eligibility Condition for Admission

Successfully completed 10+2 or equivalent examination in any academic stream with a minimum of D Grade in each subject with CGPA 1.8 in plus two level from NEB or any other board recognized by Tribhuvan University with English as a compulsory subject.

## Admission Procedure

Candidates seeking admission to BHM course should apply in the prescribed form for entrance test within the stipulated time. The applicants should enclose with the application form, attested copies of:

1. Certificate and testimonials of all examinations passed.
2. Equivalency, Transfer and Character Certificates.
3. Two recent passport size photographs.
4. Must have secured 40% marks in CMAT conducted by T.U.

## Graduation Requirements

The BHM program extends over eight semesters (4 Years). The BHM degree is awarded on its successful completion. All candidates for the BHM degree must fulfill the following requirements:

1. Successful completion of 126 credit hours
2. Successful completion of industrial Release Programme and Project Work.





### FIRST SEMESTER

ENG 101	English-I	3
MGT 101	Principles of Management	3
BHM 101	Hotel French	3
BHM 102	Food Production and Patisserie I	3
BHM 103	Food and Beverage Service I	3
BHM 104	Housekeeping Operations-I	3

### SECOND SEMESTER

ENG 151	English-II	3
MGT 151	Organizational Behavior and Human Resource Management	3
ACC 151	Financial Accounting	3
BHM 151	Food Production Patisserie II	3
BHM 152	Food and Beverage Service II	3
BHM 153	Housekeeping Operations-II	3

### THIRD SEMESTER

MKT 201	Sales and Marketing	3
ACC 201	Cost and Management Accountancy	3
BHM 201	Food Science and Nutrition	3
BHM 202	Food Production Operations	3
BHM 203	Bar and Beverage Service	3
BHM 204	Front Office Operations I	3

### FOURTH SEMESTER

FIN 251	Financial Management	3
SOC 251	Nepalese Society and Politics	3
BHM 251	Hotel Engineering	3
BHM 252	Food Production Management	3
BHM 253	Food and Beverage Management	3
BHM 254	Front Office Operations II	3

### FIFTH SEMESTER

MGT 301	Entrepreneurship	3
STT 301	Statistics	3
ECO 301	Economics	3
BHM 301	E-Commerce for Hospitality	3
BHM 302	Event Management for Tourism and Hospitality	3

### SIXTH SEMESTER

MGT 351	Strategic Management	3
RCH 351	Research Methodology and Project Report	3
BHM 351	Legal Environment for Hospitality	3
BHM 352	Cultural Resources of Tourism in Nepal	3
Elective Course (Any One)		
ELH 385	Barista and Bartending	3
ELH 386	Room Division Management	3
ELH 387	Advance Food Production	3

### SEVENTH SEMESTER

BHM 449	Industry Exposure	12
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### EIGHT SEMESTER

BHM 491	Industrial Exposure	9
BHM 492	Internship Report	3





## Bachelor of Science in Computer Science and Information Technology [BSc. CSIT]

Bachelor of Science in Computer Science and Information Technology (BSc.CSIT), affiliated to T.U. is the course composition of 4 years IT and computer science. For fulfilling the need of the job market in the field of IT profession, many elective courses have been introduced. The program comprises computer science and allied courses of 126 credit hours.

The program involves, in addition to conventional lectures, a great deal of practical and project works. The program develops the underlying principles of both Computer Science and Information Technology and shows how these principles can be applied to real world problems.

The main aim of BSc.CSIT program is :

1. To offer intensive knowledge in the theory, design, programming and application of computers.
2. To provide necessary knowledge in the field of functional knowledge of hardware system and the necessary knowledge of computer software system.

### Eligibility Condition for Admission

The candidate applying for BSc.CSIT program must have:

1. Successfully completed twelve-years schooling/PCL in science or its equivalent from any University, board or institution recognized by Tribhuvan University.
2. Applicants are required to appear in the entrance test conducted by Institute of Science and Technology, Tribhuvan University (ISOT-TU) and should secure at least 35% marks in order to be eligible.
3. Must secured a minimum of C Grade in each subject in plus two level or equivalent program. Compiled with all the application procedures.

**FRESHMAN YEAR / FIRST SEMESTER**

CSC114	Introduction to Information Technology	3
CSC115	C Programming	3
CSC116	Digital Logic	3
MTH117	Mathematics I	3
PHY118	Physics	3

**FRESHMAN YEAR / SECOND SEMESTER**

CSC165	Discrete Structure	3
CSC166	Object Oriented Programming	3
CSC167	Microprocessor	3
MTH168	Mathematics II	3
STA169	Statistics I	3

**SOPHOMORE YEAR/ THIRD SEMESTER**

CSC211	Data Structure and Algorithms	3
CSC212	Numerical Method	3
CSC213	Computer Architecture	3
CSC214	Computer Graphics	3
STA215	Statistics II	3

**SOPHOMORE YEAR/ FOURTH SEMESTER**

CSC262	Theory of Computation	3
CSC263	Computer Networks	3
CSC264	Operating Systems	3
CSC265	Database Management System	3
CSC266	Artificial Intelligence	3

**JUNIOR YEAR / FIFTH SEMESTER:**

CSC325	Design and Analysis of Algorithms	3
CSC326	System Analysis and Design	3
CSC327	Cryptography	3
CSC328	Simulation and Modeling	3
CSC329	Web Technology	3
<b>Elective I ( Any one of the following)</b>		<b>3</b>
CSC330	Multimedia Computing	
CSC331	Wireless Networking	
CSC332	Image Processing	
CSC333	Knowledge Management	
CSC334	Society and Ethics in Information Technology	
CSC335	Microprocessor Based Design	

**JUNIOR YEAR/ SIXTH SEMESTER:**

CSC375	Software Engineering	3
CSC376	Compiler Design and Construction	3
CSC377	E-Governance	3
CSC378	NET Centric Computing	3
CSC379	Technical Writing	3
<b>Elective II ( Any one of the following)</b>		<b>3</b>
CSC380	Applied Logic	
CSC381	E-commerce	
CSC382	Automation and Robotics	
CSC383	Neural Networks	
CSC384	Computer Hardware Design	
CSC385	Cognitive Science	

**SENIOR YEAR/ SEVENTH SEMESTER:**

CSC419	Advanced Java Programming	3
CSC420	Data Warehousing and Data Mining	3
MGT421	Principles of Management	3
CSC422	Project Work	3
<b>Elective III ( Any one of the following)</b>		<b>3</b>
CSC423	Information Retrieval	
CSC424	Database Administration	
CSC425	Software Project Management	
CSC426	Network Security	
CSC427	Digital System Design	
MGT428	International Marketing	

**SENIOR YEAR/EIGHTH SEMESTER**

CSC475	Advanced Database	3
CSC476	Internship	6
<b>Elective IV ( Any one of the following)</b>		<b>3</b>
<b>Elective V ( Any one of the following)</b>		<b>3</b>
CSC477	Advanced Networking with IPV6	
CSC478	Distributed Networking	
CSC479	Game Technology	
CSC480	Distributed and Object Oriented Database	
CSC481	Introduction to Cloud Computing	
CSC482	Geographical Information System	
CSC483	Decision Support System and Expert System	
CSC484	Mobile Application Development	
CSC485	Real Time Systems	
CSC486	Network and System Administration	
CSC487	Embedded Systems Programming	
MGT488	International Business Management	



# Bachelor of Business Management [BBM]

The BBM program of Faculty of Management, Tribhuvan University is designed for aspiring business leaders and managers of the future. The BBM graduates are equipped with the necessary knowledge, skills and self-confidence to assist in effective and successful management, within constantly changing and highly competitive national and global business environment. This course has been designed with the objective of producing middle-level managerial manpower in the sectoral areas.

The program is designed with the following objectives:

1. Develop students' skills in creative thinking, decision making, leadership, communication and gain understanding of operations and change.
2. Develop students' understanding of entrepreneurship and innovation, and effective management of business operations in a dynamic business environment.
3. Prepare students for professional life to work as business manager and entrepreneur.

## Admission Procedure

Students applying for the BBM program must fill in the application form with all details of their personal information and past academic records. The selection of students shall be based on a three-stage screening process that includes written test, individual presentation and personal interview.

FOM (Faculty of Management) shall conduct a Central Management Admission Test (CMAT) that will test the basic ability of the students in verbal ability and quantitative ability. The test shall be based on the SAT format. The colleges running the program shall conduct the individual presentations and interviews for selecting suitable candidates. The admission committee of the colleges has the final authority in selecting the students for the BBM program.

## Eligibility Condition for Admission

Students from all the faculty are eligible to get admission for the BBM program. Students with a minimum of D Grade in each subject with CGPA 1.8 in plus two level or equivalent program are eligible for the admission.



FIRST SEMESTER		
ECO 203	Microeconomics for Business	3
ENG 201	English- I	3
MGT 231	Foundation of Business Management	3
MTH 201	Business Mathematics I	3
SOC 203	Sociology for Business Management	3

SECOND SEMESTER		
ACC 201	Financial Accounting	3
ECO 204	Macroeconomics for Business	2
ECO 205	Seminar on Contemporary Issues of Macro Economics I	
ENG 202	English -II	3
MTH 202	Business Mathematics -II	3
MGT 232	Leadership and Organizational Behavior	2
MGT 233	Seminar on Leadership & Organizational Behavior	1

THIRD SEMESTER		
ACC 202	Cost & Management Accounting	3
ENG 203	Business Communication	3
FIN 206	Fundamentals of Finance	3
SOC 204	Nepalese History and Politics	3
STT 201	Business Statistics	3

FOURTH SEMESTER		
MGT 234	Legal Environment for Business in Nepal	3
FIN 207	Financial Management	3
PSY 202	Psychology	3
ACC 204	Taxation and Auditing	3
RCH 201	Business Research Methods	3

FIFTH SEMESTER		
MKT 201	Fundamentals of Marketing	3
MGT 205	Operations Management	3
FIN 208	Financial Markets & Services	3
IT 231	IT and Application	3
	Focus Area Course I	3

SIXTH SEMESTER:		
IT 232	Database Management System	3
MGT 236	Business Environment	3
MGT 237	Entrepreneurship & Business Resource Mapping	2
MGT 238	Practicum on Business Plan	1
	Focus Area Course II	3

SEVENTH SEMESTER:		
	Elective Course I	3
	Focus Area Course III	3
	Focus Area Course IV	3
IT 204	E-commerce	3
MGT 239	Business Ethics and Corporate Governance	3

EIGHTH SEMESTER		
MGT 240	Strategic Management	3
	Elective Course II	3
	Elective Course III	3
	Focus Area Course V	3
	Project Report Writing/ Internship with Report	6



**Focus Area Courses: 15 Credit Hours**  
**Focus Area (FA): Bank Operations and Cooperative Management (5 Courses)**  
 BNK 211 Banking Law  
 BNK 212 Wholesale and Retail Banking  
 BNK 214 Commercial Banking Operations  
 BNK 215 Capital and Money Markets  
 BNK 216 Treasury Management  
 BNK 217 Cooperative Management  
 BNK 218 Micro Finance and Rural Banking  
 BNK 219 Investment Banking  
 BNK 220 Security Analysis and Profit Management

**Focus Area (FA): Sales and Marketing (5 Courses)**  
 MKM 201 Consumer Behavior  
 MKM 214 Sales Force Management  
 MKM 209 Retail Marketing  
 MKM 215 Industrial Marketing  
 MKM 216 Rural Marketing  
 MKM 212 Branding  
 MKM 211 Internet Marketing  
 MKM 204 Services Marketing  
 MKT 217 Fundamentals of Advertising  
 MKM 210 Marketing Research

**Focus Area (FA): Insurance and Risk Management (5 Courses)**  
 INS 219 Fundamentals of Risk and Insurance  
 ISN 212 Insurance Broking and Bancassurance  
 INS 220 Property Risk Management  
 ISN 214 Commercial Liability Risk Management  
 INS 221 Life Insurance  
 INS 222 Nonlife Insurance  
 ISN 217 Global Trade and Marine Insurance  
 ISN 218 Micro Insurance  
 BNK 202 Financial Derivatives

**Focus Area: Entrepreneurship and Enterprise Development (5 Courses)**  
 MEM 205 Social Entrepreneurship  
 EED 218 Small Business Planning & Management  
 EED 219 Innovation and Technology Management  
 EED 214 Entrepreneurial Marketing  
 EED 220 Micro-finance & Cooperatives  
 EED 221 Project Planning & Management  
 EED 222 Design Thinking & Entrepreneurial Skills Management

**Focus Area Accounting**  
 ACS 201 Taxation in Nepal  
 ACS 202 Accounting for Banking  
 ACS 203 Corporate Accounting  
 ACS 204 Budgeting  
 ACS 205 Corporate Auditing  
 ACS 206 Accounting for Business  
 ACS 207 Accounting for Insurance  
 ACS 208 Accounting for Financial Analysis

**Electives: 9 Credit hours (Three Courses)**  
 ELE 221 Emerging Global Business Issues  
 ELE 223: Management of Foreign Trade  
 ELE 224 Organizational Development and Change  
 ELE 225 Budgeting and Financial Forecasting  
 ELE 226: Event Management  
 ELE 227 Service Operations Management  
 ELE 228 Labor Relations Management  
 ELE 242 Negotiation Skills  
 ELE 243 Real estate Management  
 MGT 350 Internship Or PRJ 351 Summer Project



## Bachelor of Computer Application [BCA]

Bachelors in Computer Application (BCA) is an Information Technology based career that awards the undergraduate degree in Computer Applications. This program provides a sound academic base for an advanced career in computer application. It is a 4 years (8 semesters) degree. This 4 years program in Computer Application has been started with an objective to produce qualified computer software developers having wide range of knowledge in the technical field. Students learn to solve computer based problems of different types of business and industries.

The program is designed with the following objectives:

1. To produce professionals in the field of computer application as programmer and software developers.
2. To provide knowledge about various tools and techniques used in software development.
3. To provide students with both practical and theoretical aspect of studies related to computer applications.
4. To enhance the skill of students to create solutions of technical problems that arises in industrial, commercial as well as in government companies.
5. To provide students a fine base to continue their studies further in MIT, MBA, MCA, etc.

### Eligibility Condition for Admission

Students from all the faculty are eligible to get admission for the BCA program. 10+2 passed with minimum 2 CGPA (not less than D in single Subject) or equivalent program are eligible for the admission.

## FIRST SEMESTER

CACS101	Computer Fundamentals & Applications	4
CASO102	Society & Technology	3
COEN103	English I	3
CAMT104	Mathematics I	3
CACS105	Digital Logic	3

## SECOND SEMESTER

CACS151	C Programming	4
CAAC152	Financial Accounting	3
CAEN153	English II	3
CAMT154	Mathematics II	3
CACS155	Micro Processor and Computer Architecture	3

## THIRD SEMESTER

CACS201	Data Structures & Algorithms	3
CAST202	Probability and Statistics	3
CACS203	System Analysis and Design	3
CACS204	OOP in Java	3
CACS205	Web Technology	3

## FOURTH SEMESTER

CACS251	Operating System	3
CACS252	Numerical Methods	3
CACS253	Software Engineering	3
CACS254	Scripting Language	3
CACS255	Database Management System	3
CAPJ256	Project I	2

## FIFTH SEMESTER

CACS301	MIS and e-Business	3
CACS302	DotNet Technology	3
CACS303	Computer Networking	3
CAMG304	Introduction to Management	3
CACS305	Computer Graphics and Animation	3

## SIXTH SEMESTER

CACS351	Mobile Programming	3
CAEC352	Distributed System	3
CAEC353	Applied Economics	3
CACS354	Advanced Java Programming	3
CACS355	Network Programming	3
CAPJ356	Project II	2

## SEVENTH SEMESTER

CACS401	Cyber Law & Professional Ethics	3
CACS402	Cloud Computing	3
CAIN403	Internships	3
	Elective I	3
	Elective II	3

## EIGHT SEMESTER

CAOR451	Operations Research	3
CAPJ452	Project III	6
	Elective III	3
	Elective IV	3

## Elective Subjects for VII Semester

CACS404	Image Processing
CACS405	Database Administration
CACS406	Network Administration
CACS407	Software Project Management
CACS408	Advanced Dot Net Technology
CACS409	E-Governance
CACS410	Artificial Intelligence

## Elective Subjects for VIII Semester

CACS453	Database Programming
CACS454	Geographical Information System
CACS455	Data Analysis and Visualization
CACS456	Machine Learning
CACS457	Multimedia System
CACS458	Knowledge Engineering
CACS459	Information Security
CACS460	Internet of Things



## Rules and Regulations

- 1 Every student must bring their ID card and at the time of requirement they should show it. ID cards must be returned back after the completion of the program.
- 2 Student entering late in class/lab will be considered absent for the day.
- 3 Students are not allowed to leave the college premises during study hours.
- 4 College dress code is to be strictly maintained, it gives the symbolic code for educational instruction thus failing to do so; a student may not be allowed to enter the college premises.
- 5 Misuse/Mishandling of the college property will result in replacement of the same as well as fines.
- 6 Use of library and borrowing of books should be followed as per the library rules. Library books should be returned on time in proper condition.
- 7 Students are strictly prohibited to play games during the lab time and while using Internet they are strictly prohibited to browse prohibited sites.
- 8 Students should be on time at theory and lab classes and should spend full time in the class.
- 9 A student must have 80% attendance in a semester to be eligible to appear in the final examination conducted by TU. Student coming short will be subjected to non-qualified. Such student will be allowed to sit for the exam only in case of valid reason for his/her absence; a written application duly signed by parent/guardian/prescription of the doctor must be submitted immediately.
- 10 Fees must be cleared timely; failing to do so will result in fines as well as suspension of the student.
- 11 A student should maintain a high level of discipline at all times. Smoking/alcohol consumption/use of narcotic drugs is strictly prohibited within the college premises. If any student is found in such condition, student will be expelled from the college.
- 12 In case of student's withdrawal from the college, a written application regarding the same must be submitted. There will be no refunding of the fees except the security deposit which will be released without any added interest. Fee structure is subject to change with a prior notice.
- 13 The classes will not be stopped without the prior notice of NCCS administration except under some unavoidable circumstances.
- 14 In case of leave, prior written application must be given to the NCCS administration.
- 15 Every student has full right to fill up the evaluation sheet. The matters filled on the evaluation sheet will be taken as a suggestion for our improvement. The comments will be kept strictly confidential.
- 16 The college reserves the right to modify, eliminate or formulate any norms at any given time in the future.



## Benefits For Students

- 1 Provides a learning environment that is safe and free of prejudice and discrimination.
- 2 Develops critical thinking and effective information processing skills provides opportunities for student interaction and decision making
- 3 Motivates through involvement in high - quality projects
- 4 Encourages the expression of ideas, the solving of problems and communicating on a national and international basis
- 5 Develops confidence to explore, adapt and shape technological understanding and skills
- 6 Provides opportunities for learning new technologies
- 7 Encourages collaboration and group activities
- 8 Builds bridges between IT and Management
- 9 Makes connections between classroom lessons and real-world application
- 10 College promotes on team work thus revealing glamour and excitement of competition with priority on building self esteem
- 11 Teaches creativity and problem solving
- 12 Recognizes achievement and contribution at every level
- 13 Hands-on application that increases the relevance of academic knowledge



## Our Toppers



Bhesh Bahadur Thapa  
(BIM) 2003



Dipesh Shrestha  
(BIM) 2004



Nimesh Chhetri  
(BIM) 2005



Umesh Maharjan  
(BIM) 2007



Sadiksha Nepal  
(BIM) 2005-2008



Sabin Bajracharya  
(BIM) 2006-2009



Rabin Kumar Gurung  
(BIM) 2007



Shubhechhaya Shrestha  
(BIM) 2007



Ruku Gautam  
(BIM) 2007



Prakash Raj Poudel  
(BIM) 2008-2010



Archana Tuladhar  
(BIM) 2008



Reshma Dangol  
(BIM) 2009



Dinesh Sapkota  
(BIM) 2010-2011



Nujana Manandhar  
(BIM) 2009-2010



Rusen Malla  
(BIM) 2010



Punit Man Shrestha  
(BIM) 2010-2013



Anupama Karna  
(BIM) 2011



Muna Pokharel  
(BIM) 2014



Rashala Karmacharya  
(BIM) 2013



Alina Shahi  
(BIM) 2016



Roshnee Pradhan  
(BIM) 2015-2018



Krishna Maharjan  
(BIM) 2018



Sinora Khadka  
(BIM) 2019



Nirvana Maharjan  
(BIM) 2020



Sabin Sharma Poudel  
(BIM) 2021



Pratikshya Shrestha  
(BIM) 2021



Rohan Maharjan  
(BIM) 2021



Jolly Kansakar  
(BIM) 2022



Raus Ray  
(BIM) 2023



Nabin Upreti  
(BIM) 2024



Pratigya Luitel  
(BIM) 2024



Matina Maharjan  
(BIM) 2025



Nayana Khadgi  
(BIM) 2025



Nicky Maharjan  
(BIM) 2025



Nitesh Thapa  
(BHM) 2012



Manish Shrestha  
(BHM) 2012-2014

## Our Toppers



Sonica Manandhar  
(BHM) 2012-2014



Sunita Gurung  
(BHM) 2014



Santosh Khatri  
(BHM) 2014



Aashir Manandhar  
(BHM) 2015-2017



Sunil Sherchan  
(BHM) 2015-2017



Anu Lama  
(BHM) 2017



Rohit Maharjan  
(BHM) 2017



Sujan Waiba  
(BHM) 2017



Bikash Thapa  
(BHM) 2018



Sagar Shrestha  
(BHM) 2018



Aayushma Shrestha  
(BHM) 2019-2022



Sulok Shrestha  
(BHM) 2019



Sujita Phuyal  
(BHM) 2020-2022



Srishna Khadgi  
(BHM) 2022



Muna Thapa  
(BHM) 2022



July Nepali  
(BHM) 2022



Sujina Prajapati  
(BHM) 2024



Niroj Maharjan  
(BHM) 2025



Ankit Agrawal  
(Bsc.CSIT) 2012-2015



Japanika Maharjan  
(Bsc.CSIT) 2013-2016



Amit Shrestha  
(Bsc.CSIT) 2014



Sona Pujari  
(Bsc.CSIT) 2015-2018



Alina Budhathoki  
(Bsc.CSIT) 2016-2017



Anil Maharjan  
(Bsc.CSIT) 2015



Niraj Mudbari  
(Bsc.CSIT) 2015-2019



Dipesh Aryal  
(Bsc.CSIT) 2016-2019



Sanjaya Rai  
(Bsc.CSIT) 2016-2018



Nabin Dhakal  
(Bsc.CSIT) 2017



Rijan Manandhar  
(Bsc.CSIT) 2017-2019



Gopi Subedi  
(Bsc.CSIT) 2018



Rajani Shrestha  
(Bsc.CSIT) 2018-2021



Subhechhya Tuladhar  
(Bsc.CSIT) 2018



Sakila Pokharel  
(Bsc.CSIT) 2019



Sachin Basnet  
(Bsc.CSIT) 2020-2022



Kabir Man Singh  
(Bsc.CSIT) 2021



Bishal Lamichhane  
(Bsc.CSIT) 2021

## Our Toppers



Neelu Dongol  
(Bsc.CSIT) 2021



Robina Bajracharya  
(Bsc.CSIT) 2021



Sanisha Maharjan  
(Bsc.CSIT) 2022



Purnima Shrestha  
(Bsc.CSIT) 2022



Ursha Munikar  
(Bsc.CSIT) 2022



Anupam Gautam  
(Bsc.CSIT) 2022-2024



Inusha Pandey  
(Bsc.CSIT) 2023



Roshani Thapa  
(Bsc.CSIT) 2022-2024



Palpasa Manandhar  
(Bsc.CSIT) 2021-2024



Rabina Shakya  
(Bsc.CSIT) 2022-2023



Sayal Shrestha  
(Bsc.CSIT) 2023



Atullya Maharjan  
(Bsc.CSIT) 2023



Aatma Ram Shrestha  
(Bsc.CSIT) 2023



Kabil Raya  
(Bsc.CSIT) 2023



Yunika Shrestha  
(Bsc.CSIT) 2024



Shivesh Shrestha  
(Bsc.CSIT) 2024



Sajendra Bajracharya  
(Bsc.CSIT) 2024



Pritika Suwal  
(Bsc.CSIT) 2024



Ashutosh Khanal  
(Bsc.CSIT) 2025



Bhumika Neupane  
(Bsc.CSIT) 2025



Ashmita Khadka  
(Bsc.CSIT) 2025



Sabhyata Aryal  
(Bsc.CSIT) 2025



Ayush Tuladhar  
(Bsc.CSIT) 2024-2025



Deepali Adhikari  
(BBM) 2024



Selexna Pathak  
(BBM) 2024



Dristy Ale Magar  
(BBM) 2025



Manish Pandey  
(BCA) 2024

## Beyond University Education

### School

A literate society with a purpose, a progressive society with ideas and a conscious society working towards establishing a better and brighter future for all. With this mission statement in mind National Creative Co-educational School (NCCS) aims to make the students understand the meaning of education and induce them to read and learn the subjects in a most pleasant, social and homely atmosphere, by the virtue of which they become successful citizens of the country, willing to devote their skills and knowledge for the betterment of motherland and their co-citizens. Education is provided in a stimulating, challenging but caring atmosphere by the selected expert and friendly teachers. "Achievement for all through the pursuit of excellence" is our motto. As the saying goes "Upon the education of the people of this country the fate of this country depends", we look forward towards the similar goal. Our aim is to make our students self sustained, independent, capable and moral citizens of our country.



### Secondary Education

NCCS Secondary School (NCCS SS) is truly an institution on the move. It is affiliated with the National Examination Board (NEB) and is committed to excellence in the field of education. NCCS SS makes all the latest technologies and resources available to its students and the teachers so as to reach highest educational goals. At NCCS SS we invite aspiring youngsters to join this vital and challenging academic community where the strength of our faculty and the ability of the young minds come together to create a bright future of the enrolled students. Its surplus extracurricular activities, games and participation in inter college events bring forth all the talents of the young minds to take the challenges of this century to stand as the best in every aspect of life.



### Software Development

The other department of National College of Computer Studies is NCCS Software which is an IT consulting and software development wing dedicated to business success through long-term relationships with our clients and staffs. NCCS Software has alliances with US, Canada and Finland based organizations and has been processing data, developing software, web sites and providing other services in latest technologies and platforms. The association with these organizations have provided a cutting edge experience and know how to maintain the international standard. NCCS Software's client relationships are based on delivering the highest quality professional technology consulting and development services. NCCS Software's project portfolio rests on a solid foundation of quality full lifecycle software development project deliveries. Yet the scope of our business is diverse, covering topics and services including Web based application development, Client/ Server application development, strategic planning, systems integration, web and print design, computer-based training and marketing. NCCS Software's projects vary in scope and complexity, from short one- or two-week projects to multi-year enterprise engagements.

SCAN FOR LOCATION



A QUALITY CERTIFIED INSTITUTION  
**NATIONAL COLLEGE OF COMPUTER STUDIES**  
ACCREDITED BY UNIVERSITY GRANTS COMMISSION (UGC), NEPAL-2022

Pankajol, Kathmandu, Ph: 5351711, 5328807, 5368221, 5367866  
Email: [info@nccs.edu.np](mailto:info@nccs.edu.np), Web: [www.nccs.edu.np](http://www.nccs.edu.np)

