

EIGHTH SEMESTER

[A]Specialization Area: Networking

CSC 451: Implementing and supporting Windows OS/Linux	
CSC 452: Distributed Networking	3
CSC 453: Project a real world application networking	3
CSC 453: Internship Project	6

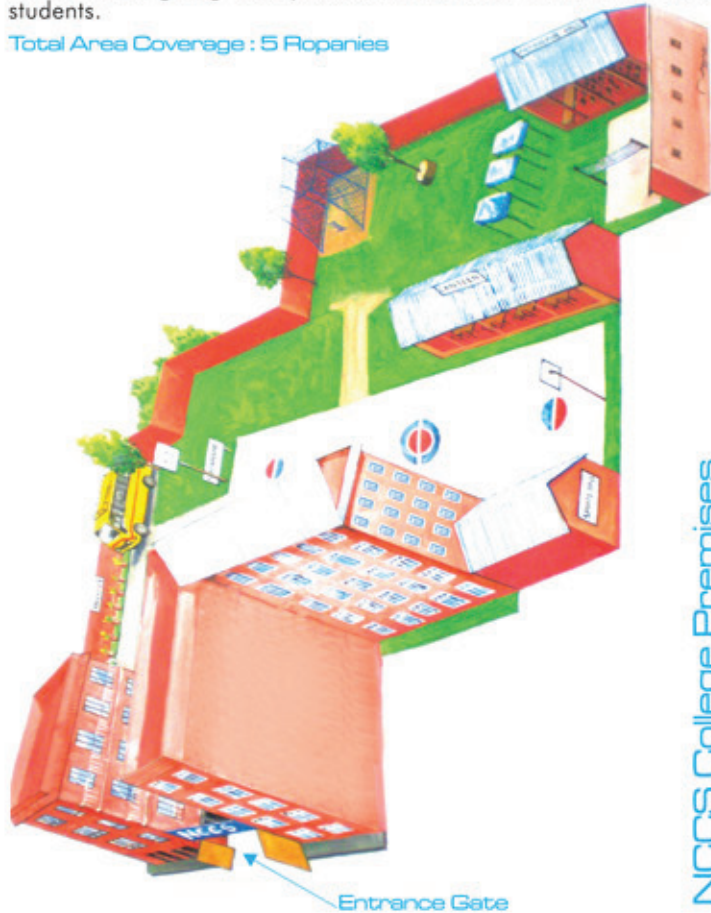
[B]Specialization Area: Database

CSC 459: Data warehousing and Data mining	3
CSC 460: Decision support and expert system	3
CSC 461: Project and Database System	3
CSC 462: Internship Project	6

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 best possible educational environment to our students.

Total Area Coverage : 5 Ropanis



NCCS College Premises

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 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.

Way to NCCS



COLLEGE

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Bachelor of Science in
Computer Science and Information Technology [B.Sc. CSIT]
[Affiliated to TU]

NCCS
working towards excellence
Center of IT & Management

Introduction

Bachelor of Science in Computer Science and Information Technology (B. Sc. CSIT), affiliated to T.U. is the course composition of 4 years IT and computer courses. For fulfilling the need of the job market in the field of IT profession, many elective courses have been also 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. This program develops the skills that are essential for both for computer professionals and IT managers.

Mission and Vision

A literate society with a purpose, a progressive society with ideals 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.

About NCCS

NCCS, college of IT and Management, is a highly experienced college based in Kathmandu which was established in 1999. It comprises of multi-talented professionals considered best among the industry. It educates students, not only to face the challenges of the fast-moving industry but also to perform exceedingly well.

NCCS is not only dedicated in providing university curriculum to students but also facilitates students to get hands on industry training. It is affiliated with Nepal's oldest and prestigious Tribhuvan University. In this regard it is conducting four years Bachelor of Information Management and Bachelor of Hotel Management Programs.

Objectives

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 and necessary knowledge of computer software system.



Course Cycle

FIRST SEMESTER

CSC-101: Introduction to IT	3
CSC-102: Programming in C	3
STA-103: Probability and Statistics	3
MTH-104: Calculus and Analytical Geometry	3
Natural Science Elective I : A student can opt for any one of the following courses.	
PHY-105: Physics I	3
BIO-106: Biology I	3
GEO-107: Geology I	3
STA-108 : Statistics I	3

SECOND SEMESTER

CSC 151: Digital	3
CSC 152: Discrete Structure	3
CSC 153: Micro Processor	3
CSC 154: Data Structure and Algorithms	3
MTH 155: Linear Algebra	3
Natural Science Elective II : A student can opt for any one of the following courses.	
PHY-156: Physics II	3
BIO-157: Biology II	3
GEO-158: Geology II	3
STA-159 : Statistics II	3

THIRD SEMESTER

CSC 201: Computer Architecture	3
CSC 202: Object Oriented Programming Language	3
CSC 203: Operating Systems	3
CSC 204: Numerical Method	3
MGT 205: Introduction to Management	3

FOURTH SEMESTER

CSC 251: Theory of Computation	3
CSC 252: System of Analysis and Design	3
CSC 253: Database Management Systems	3
CSC 254: Computer Graphics	3
CSC 255: Introduction to Cognitive Science	3
MGT 256: Technical Writing	3

FIFTH SEMESTER

CSC 301: Computer Networks	3
CSC 302: Simulation and Modeling	3
CSC 303: Design and Analysis of Algorithms	3
CSC 304: Artificial Intelligence	3
Computer Science Elective I : A student can opt for any one of the following courses.	
CSC-305: Microprocessor Based Design	3
CSC-306: Applied Logic	3
CSC-307: E-Governance	3
CSC-308: Wireless Networking	3
MGT-309: International Business Management	3
MGT-310: International Marketing	3
CSC-311: Neural Networks	3
CSC-312: Computer Hardware Design	3
CSC-313: Cryptography	3

SIXTH SEMESTER

CSC 351: Software Engineering	3
CSC 352: Compiler Design and Construction	3
CSC 353: Web Technologies	3
CSC 354: Real Time System	3
Computer Science Elective II : A student can opt for any one of the following courses.	
CSC-355: Knowledge Management	3
CSC-356: Fundamentals of E-Commerce	3
CSC-357: Society and Ethics in Information Technology	3
CSC-358: Automation and Robotics	3
CSC-359: Digital System Design	3
CSC-360: Net Centric Computing	3
CSC-361: Web Centric Computing	3
CSC-362: Embedded System Programming	3
CSC-363: Image Processing	3

SEVENTH SEMESTER

[A] Specialization Area : Networking

CSC 401: Introduction to System Administration	3
CSC 402: Network Security	3
CSC 403: Linux Networking	3
CSC 404: Management a Microsoft Server Environment	3
CSC 405: Implementation, Managing and Maintaining Server Network and Infrastructure Network Services3	3

[B] Specialization Area : Database

CSC 409: Web Database and Information System	3
CSC 410: Advance Database and Information System	3
CSC 411: Distributed and Object Oriented Database	3

Database Elective 1: A student can opt for any one of the following courses

CSC 412: Introduction to Oracle and XML	3
CSC 413: Application Server Web Administration	3

Database Elective 2: A student can opt for any one of the following courses

CSC 414: Information Retrieval and Search Engine	3
CSC 415: Multimedia Database	3