ORCHID INTERNATIONAL College

TRIBHUVAN UNIVERSITY AFFILIATE

- BIM
- BSc. CSIT
- BSW

TU AFFILIATE

Gaushala, Bijaychowk, Kathmandu, Nepal | Phone: 01-4479744/45 | www.oic.edu.np

ORCHID INTERNATIONAL COLLEGE

ABOUT COLLEGE

OIC, Affiliated to Tribhuvan University, was established in 2010 AD and promoted by a group of experienced and dedicated academicians, computer engineers, management professionals and reputed software company of Nepal. The goal of the college is to provide a high quality education that will enable the students to embrace the challenges of the modern world and establish the foundation for a successful future. The college focuses on student centered teaching learning approach in its academic voyage along with main essentials of capacity building such as experimental and experiential learning; rigorous need based training, practicum and case diagnosis.

The heart of OIC's educational excellence is the strong network of IT expert, reputed management professionals, collaboration with branded business houses, highly qualified and experienced faculty members and caring administrative staffs.

PROGRAM OFFERED

BIM 4 Years
Bachelor of Information Management

BSc. CSIT 4 Years
BSc in Computer Science and Information Technology

BA BSW 3 Years
BA in Social Works

MISSION

Orchid International College has as its highest priority on student learning and achievement. As Orchid International College prepares world class citizens of the twenty-first century, we recognize that the aim of education is the development of the whole person, who is prepared to be an active citizen and to participate in a global community.

Students are focused to think critically and creatively, and learn to develop effective communication and argumentation skills. Passions are ignited and they learn to draw new connections, share experiences, and become responsible citizens.

FACILITIES IN ORCHID

COMPUTER LAB

The information technology infrastructure is a significant factor in providing quality education. To provide quality education focus should be given on practice based learning. To provide sufficient practice OIC is equipped with a state-of-the-art computer lab. Student can use computer at any time during college hour.

DIGITAL ELECTRONIC LAB

For the purpose of practical knowledge in digital logic, the college has a separate digital logic lab. This will enable students to acquire the essential knowledge of digital devices.

ORGANIZATIONAL TIE-UPS

Organizational tie-ups with various software companies, banks, IT consultancies, derivative companies and manufacturing industries in order to provide platform to conduct internship as well as option for job placement on those organizations after the completion of the degree.

RESEARCH AND DEVELOPMENT

Apart from academic activities Orchid International College is associated with software development, system administration and network management. The college has its own R&D team that will assist students to carry out research activities and develop their own projects.

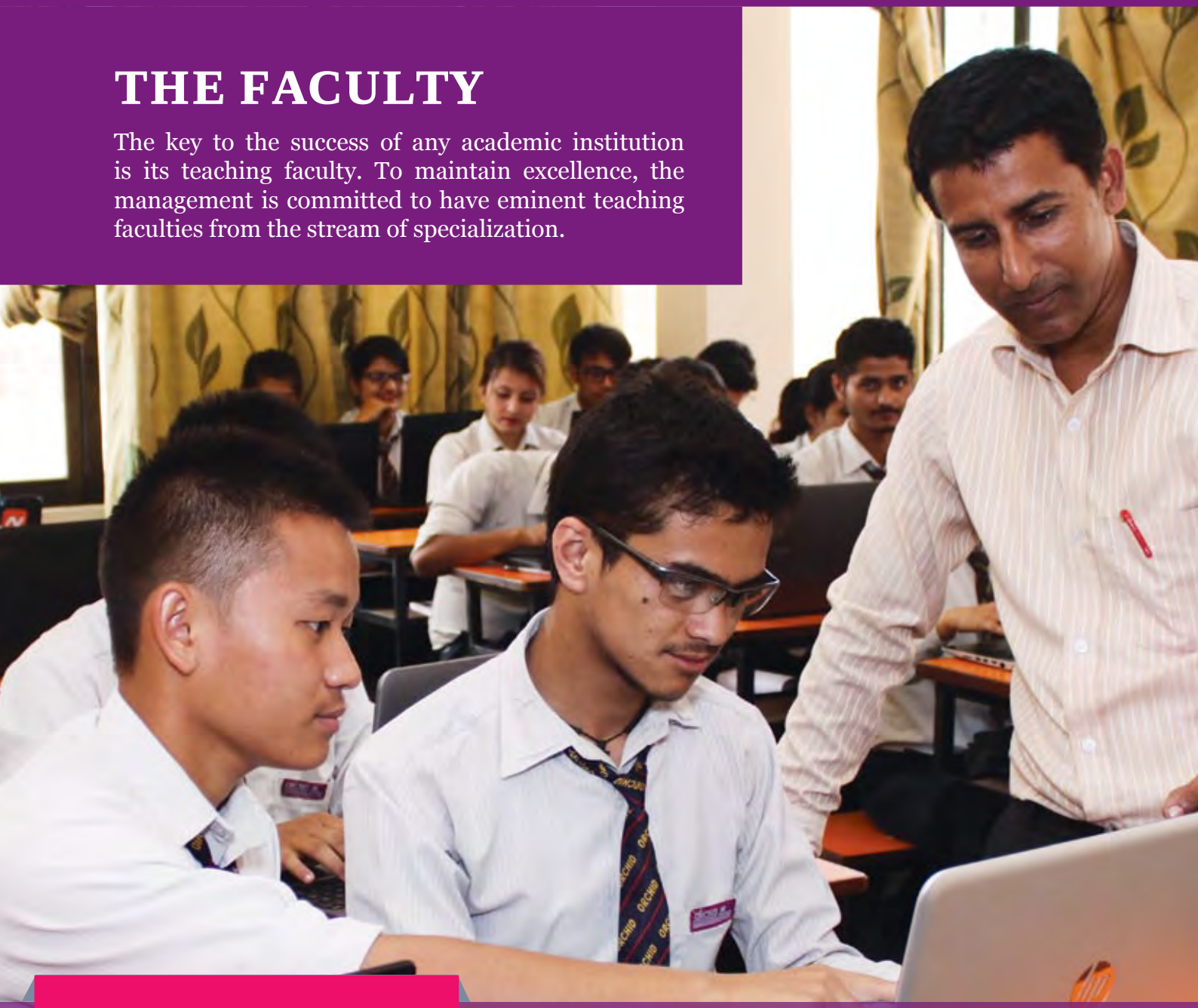
LIBRARY

The library of OIC has excellent collections of books and journals on computer science, management, Social science, mathematics and other related subjects. Students can issue books from the library as per their need.

The library also maintains collections of audiovisual resources, e-Books, dissertations, annual reports, case studies and success stories of corporate houses, which keep the students updated with the latest in the field of management, information technology and other disciplines.

THE FACULTY

The key to the success of any academic institution is its teaching faculty. To maintain excellence, the management is committed to have eminent teaching faculties from the stream of specialization.



TEACHING FACULTY

1 Aashish Acharya, (ME Computer, IOE TU)
2 Arjun Singh Saud, (Msc CSIT, TU)
3 Astha Karki, (MBA Marketing)
4 Baikuntha Sigdel, (MSc IT)
5 Bibhor Baral, (MSc IT)
6 Bidur Dahal, (ME Computer)
7 Biraj Pyakurel, (MA Economics)
8 Bishnu Prasad Acharya, (MA Anthropology)
9 Dr. Dilli Raj Sharma, (Finance)
10 Dr. Gauri Shrestha, (Statistics)
11 Dr.Mahananda Chalise, (Strategic Management)
12 Durga Gautam, (MA English, MA Sociology)
13 Gyan Mani Adhikari, (MA Economics)
14 Jagat Timilsina, (MBA Marketing)
15 Jayanarayan Jha, (M.Sc. Mathematics)
16 Keshav Bhattarai, (MBA, KU)
17 Lal Babu Shah, (M.Sc. Statistics)
18 Lok Nath Regmi, (ME Computer)
19 Madhusudhan Subedi, (M. Phil. Anthropology)
20 Nabin Sharma, (MSc Computer Science)
21 Nischal Regmi, (Msc CSIT, TU)
22 Prabin Subedi, (ME Computer)
23 Prof. Dr. Santosh Raj Poudel
24 Rabin Kumar Acharya, (M. Phil., MPA, MA)

25 Rajendra Raya, (MBS Finance)
26 Rajita Shrestha, (M.sc. Statistics)
27 Ram B. Karki, (MA Sociology)
28 Ramesh Singh Saud, (Msc CSIT, TU)
29 Sudeep Raj Khadka, (ME Computer)
30 Sunil Amatya, (M. Sc. Statistics)
31 Surendra Pathak, (M. Sc. Mathematics)
32 Suresh Panthi, (MBS Account)
33 Tara B. Thapa, (BE Computer)
34 Thaneshwor Paneru, (MSc CSIT, TU)
35 Utsab Koirala, (MSc Computer Science)

VISITING FACULTY

- Prof Dr. Dharanidhar Sharma
  - Mathematics
- Prof Dr. Santosh Raj Poudyal
  - Management
- Prof Dr. Manohar Krishna Shrestha
  - Finance
- Prof Kundan Datta Koirala
  - Marketing
- Prof Puskar Kumar Sharma
  - Statistics
- Dr. Reeta Shrestha
  - Psychology
- Asst. Prof. Geeta Malla
  - Accounts
- Asst. Prof. Ratna Man Dangol
  - Accountancy
- Rajesh Kumar Shakya
  - Information Management

RESEARCH AND DEVELOPMENT TEAM

1. Amresh Kumar Jha
   - *Computer Engineer, Nepal Electricity Authority*
2. Bikash Bhattarai
   - *Dristi Tech (P) LTD.*
3. Bipin Malla
   - *Computer Officer, Ministry of Finance*
4. Gandhi Chhetri
   - *DGM Sujal Food (P). LTD*
5. Krishna Raj Bhandari
   - *Dristi Tech (P) LTD.*
6. Kshitiz Baskota
   - *IT Officer, NMB Bank*
7. Rajesh Shakya
   - *IT consultant, World Bank*
8. Roshan Neupane
   - *Computer Engineer, Nepal Electricity Authority*
9. Sishir Adhikari
   - *IT Officer, Nepal SBI Bank*
10. Subash Khadka
    - *System Engineer (Manager). Karmachari Sanchayakosh*

Extra-Cur


GRADU


REMONY


BSc.CSIT
BIM


ORCHID


ORCHID INTERNATIONAL COLLEGE

ricular Activities

Sports

The college focuses on sport activities as well. Sufficient sports facilities are provided to students and they are encouraged to participate in sports event inside and outside the college.

Field Visit

Industry visit and field work are a part of teaching learning approach in Orchid. College organizes various industrial visit and field work frequently. Visits may be inside Nepal or outside the country according to the nature and demand of the subject.

Workshops and Seminars

The college regularly conducts presentations, conference, seminars and workshops in various disciplines on Information Technology issues, Computer security, Cyber crime, e-governance, HR, Organizational Behavior, and Psychology etc, for which eminent personalities from the industry and academics are invited.

BIM

Bachelor of Information Management (BIM) is a four year (eight semester) degree affiliated to Tribhuvan University. The main objective of this degree is to provide professional education with the blend of information technology along with managerial skills. The degree prepares IT professionals proficient in the use of computers and computational techniques in order to develop effective information systems to solve real life problems for any organization.

Eligibility for Admission in BIM

The candidate applying for BIM 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%) in the twelve-year schooling or equivalent

Admission Criteria

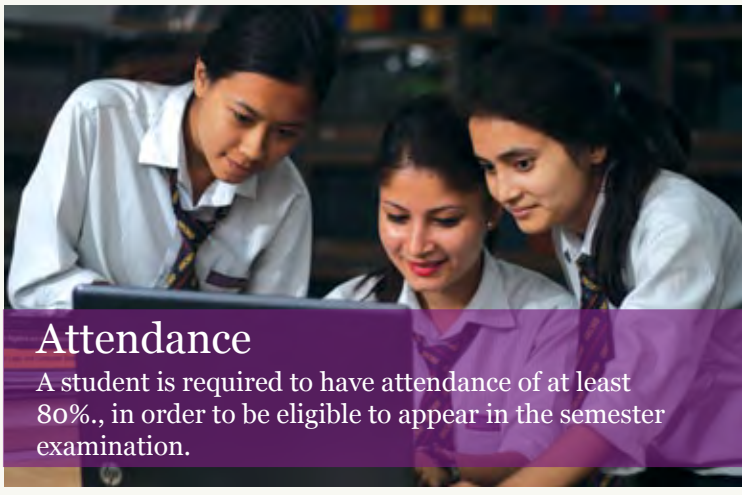
Student has to appear in CMAT test conducted by the University. Only the short listed candidates from the written test (CMAT) will be interviewed and selected for admission.

BIM Course Structure:

Courses	Duration
IT and Computing Courses	60 credit hrs.
Foundation Courses	24 credit hrs.
Business Courses	30 credit hrs.
Elective Courses	6 credit hrs.
Internship and Summer Projects	6 credit hrs.
Total	126 credit hrs.

Examination, Evaluation and Grading System

The BIM program will be executed through the semester system. There will be altogether eight semesters required to complete the regular program. The internal evaluation shall carry 40 percent weightage while the external (end of semester) examination will carry 60 percent weightage. The final grade shall be determined based on the overall performance in the internal and external examinations.



Attendance

A student is required to have attendance of at least 80%., in order to be eligible to appear in the semester examination.

BIM COURSE CYCLE

FIRST SEMESTER	Credit Hrs
1. English - I	3hrs.
2. Computer Information System	3hrs.
3. Digital Logic Design	3hrs.
4. Principles of Management	3hrs.
5. Basic Mathematics	3hrs.

SECOND SEMESTER	
1. Structured Programming	3hrs.
2. Data Comm. and Computer Network	3hrs.
3. Business Communications	3hrs.
4. Discrete Mathematics	3hrs.
5. Sociology for Business	3hrs.

THIRD SEMESTER	
1. Financial Accounting	3hrs.
2. Web Technology - I	3hrs.
3 Java Programming - I	3hrs.
4. Computer Organization	3hrs.
5. Business Statistics	3hrs.

FOURTH SEMESTER	
1. Cost and Management Accounting	3hrs.
2. Microeconomics	3hrs.
3. Data Structure and Algorithm with Java	3hrs.
4. Web Technology - II	3hrs.
5. Database Management System	3hrs.

Elective Courses

1. System Administration Win NT
2. Graphic User Interface Programming Using Visual C++
3. Computer Based Financial Engineering
4. Electronic Reporting & Auditing of Accounting Information
5. Object Oriented Database Management System
6. Object Oriented Database Management System
7. Software Project Management
8. Operating System

Credit Transfer & Withdrawal

Credits earned by a student can be transferred to other universities recognized by Tribhuvan University. The maximum credit transfer allowed to a student shall be 30 credit hours. The faculty of management has the authority to decide a credit transfer.

A student who has partially completed the BIM program and would like to discontinue his/her studies shall also be allowed to withdraw from the program. In such cases, a certificate specifying the credit earned by the student in the program shall be provided.

FIFTH SEMESTER	Credit Hrs.
1. Macroeconomics	3hrs.
2. Computer Graphics	3hrs.
3. Java Programming - II	3hrs.
4. Advanced Internet Working	3hrs.
5. Fundamentals of Marketing	3hrs.

SIXTH SEMESTER	
1. Business Finance	3hrs.
2. Software Engineering	3hrs.
3. Computer Security and Cyber Law	3hrs.
4. Summer Project	3hrs.
5. Human Resource Management	3hrs.
6. Business Environment in Nepal	3hrs.

SEVENTH SEMESTER	
1. Management Information System	3hrs.
2. Object Oriented Analysis and Design	3hrs.
3. Artificial Intelligence	3hrs.
4. Organizational Behavior	3hrs.
5. Operations Management	3hrs.
6. Business Strategy	3hrs.

EIGHTH SEMESTER	
1. IT Entrepreneurship and Supply Chain Management	3hrs.
2. Economics of Information and Communication	3hrs.
3. Elective I	3hrs.
4. Elective II	3hrs.
5. Internship	3hrs.

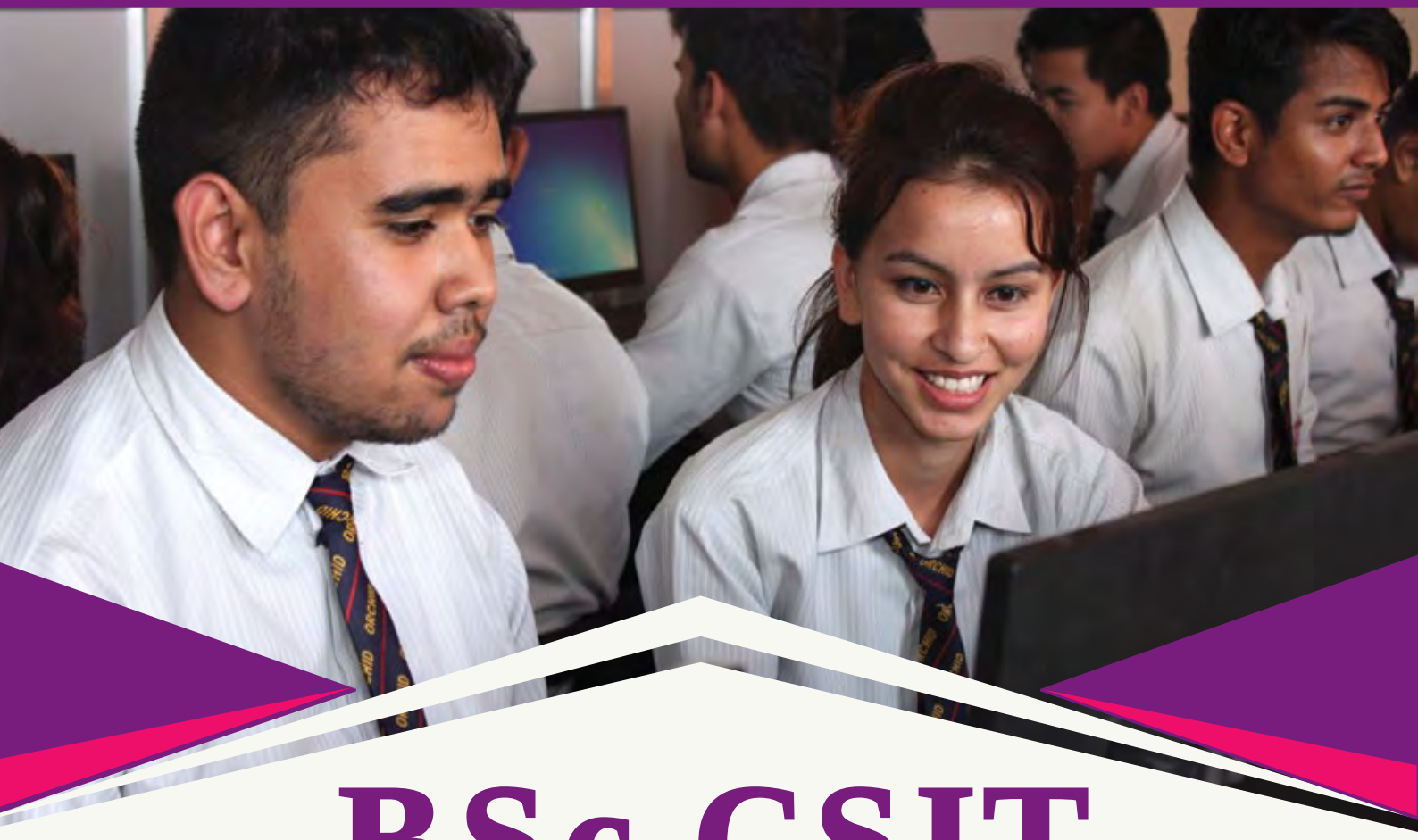
Passing Grade and Grading System

Student must secure a minimum of grade 'C" or Grade Point Average (GPA) of 2.0 in the internal evaluation in order to qualify to appear in the semester examination. The passing grade in the semester examination for an individual paper is also grade 'D' or GPA of 1.5. In order to pass the semester examination the student must secure Grade 'C' or the average Cumulative Grade Point Average (CGPA) of 2.0.

Student who secures a Semester Grade of 'D' is not promoted to the next semester.

The Grading System shall be as follows:

Letter Grade	Cumulative Grade	Division
A	3.5 to 4.00	First Division with Distinction
B	2.5 to 3.4	First Division
C	2.0 to 2.4	Second Division
D	1.5 to 1.9	Pass in Individual Paper
F	0 to 1.4	Fail



BSc.CSIT

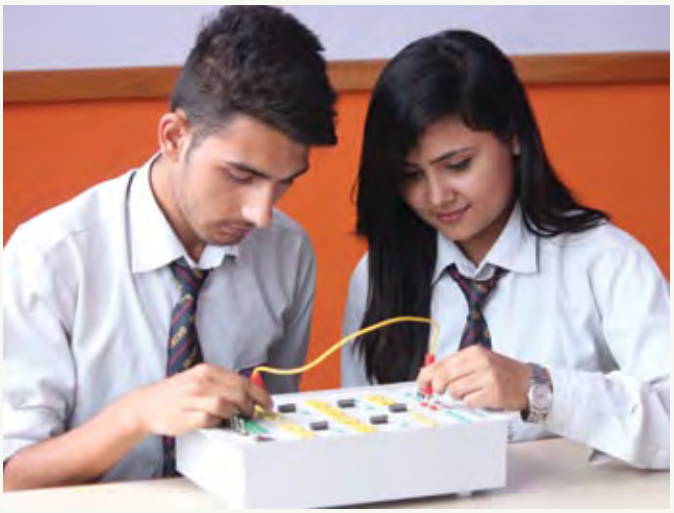
Bachelor in Computer Science and Information Technology

BSc in Computer Science and Information Technology is a four year program (with eight semesters) affiliated to Tribhuvan University and the course is designed to provide cutting edge technological skills in software development, algorithm design, code optimization and compiler design. The main objective of the degree is to offer intensive knowledge in the theory, design, programming and application of computers.

Eligibility Criteria

The candidate applying for BSc. CSIT 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%) in the twelve-year schooling or equivalent.



BSc. CSIT Course Structure

There are eight semesters with 126 credit hours. This program comprises of the following courses:

Computer Science core courses	: 75 credit hours
Natural Science Elective courses	: 6 credit hours
Mathematics courses	: 12 credit hours
English courses	: 3 credit hours
Social Science and Management courses	: 6 credit hours
Computer Science Elective courses	: 15 credit hours
Internship/Project	: 9 credit hours
Total	: 126 Credit hours

Grading System	Percentage
Pass Division	: 40%
Second Division	: 55%
First Division	: 70%
First Division With Distinction	: 80% or Above

Admission Criteria

Admission of eligible candidate will be on the basis of score obtained on the entrance test conducted by the Institute of Science and Technology, Tribhuvan University and performance in personal interview.

BSc. CSIT COURSE COMPOSITION

FIRST SEMESTER
1. Introduction to IT
2. Programming in C
3. Probability and Statistics
4. Calculus and Analytical Geometry
5. Elective I:

SECOND SEMESTER
1. Digital Logic
2. Discrete Structure
3. Microprocessor
4. Data Structure and Algorithms
5. Linear Algebra
6. Elective II

THIRD SEMESTER
1. Computer Architecture
2. Object Oriented Programming Language
3. Operating Systems
4. Numerical Method
5. Introduction to Management

FOURTH SEMESTER
1. Theory of Computation
2. System Analysis and Design
3. Database Management systems
4. Computer Graphics
5. Introduction to Cognitive science
6. Technical Writing

FIFTH SEMESTER
1. Computer Networks
2. Simulation and Modeling
3. Design and Analysis of Algorithms
4. Artificial Intelligence
5. Elective 1:

(Any one of the following courses)
- a. Microprocessor Based Design
- b. Applied Logic
- c. E-governance
- d. Wireless Networking
- e. International Business Management
- f. International Marketing
- g. Neural Networks
- h. Computer Hardware Design
- i. Cryptography

SIXTH SEMESTER
1. Software Engineering
2. Compiler Design and Construction
3. Web Technologies
4. Real Time System
5. Elective 2:

(Any one of the following courses)
- a. Knowledge Management
- b. Fundamentals of E-commerce
- c. Society and Ethics in Information Technology
- d. Automation and Robotics
- e. Digital System Design
- f. Net Centric Computing
- g. Web Centric Computing
- h. Embeded System Programming
- i. Image Processing

SEVENTH SEMESTER
1. Advance Database Management System
2. Internet Technology
3. Advance Java Programming
4. Project Work
5. Computer Science Elective 3:

(Any one of the following courses)
- a. Information Retrieval
- b. Database Administration
- c. Network and system Administration
- d. Software Project Management

EIGHT SEMESTERS
1. Data Warehousing and Data Mining
2. Internship
3. Computer Science Elective 4
4. Computer Science Elective 5

(Any two of the following courses)
- a. Advance Networking with IPv6
- b. Distributed Networking
- c. Network Security
- d. Multimedia database
- e. Distributed and Object oriented database
- f. Cloud Computing
- g. Geographical Information System
- h. Decision Support System

BSW

BA in Social Works

BA BSW is a three years bachelor degree course with social work specialization, in which theoretical knowledge acquired in class are refined and sharpened by the concurrent field work and industry visit.

BA in Social Work will give you a well-rounded education to make you a more versatile social work and development practitioner. The program facilitates students in understanding the nature of the rural world through the activities of the voluntary sector. On this program, the theories and principles of social work are integrated with that of rural development, providing you with in depth knowledge of social challenges in the developing world.

BA BSW COURSE STRUCTURE

FIRST YEAR

Sn.	Subject	Marks
1.	English I	100
2.	Nepali	100
3.	Concepts & Principles of Social Work	100
4.	Rural Development Theories Approaches and Techniques	100

SECOND YEAR

Sn.	Subject	Marks
1	English II	100
2.	Methods of Social Work	100
3.	Integrated Social Work Pracitice	100
4.	Rural Economics of Nepal	100
5.	Rural Resource, Environment and Management	100

THIRD YEAR

Sn.	Subject	Marks
1	Social Welfare Administration	100
2.	Research Methods in Social Work	100
3.	Rural Sociology and Development	100
4.	Government, Institutions and Local Rural Governance	100
5.	Functional Paper (VI) Development Perspective in Social Work	100

TOPPERS OF ORCHID

Subina Khanal
TU Topper
(BIM VII Semester, 2073)

Asmita Upreti
TU Topper
(BIM III Sem. 2072)

Reshu Shrestha
TU Topper
(BIM I Sem. 2072)

Mahesh GC
TU Topper
(BSc CSIT VIII Sem. 2072)

Bishnu KC
TU Topper
(BIM VIII Sem. 2071)

Sudha Bhusal
TU Second
(BIM II Sem. 2071)

Ukesh Khadka
TU Second
(BIM II Sem. 2071)

Shikha Sharma
TU Second
(BIM I Sem. 2072)

Anil Limbu
TU Second
(BIM III Sem. 2071)

Liza Bista
TU Second
(BIM III Sem. 2071)

Narayan Joshi
TU Second
(BIM III Sem. 2071)