

PROSPECTUS > 2023/24



STAMFORD  
COLLEGE  
KATHMANDU



About

# Stamford College Kathmandu

Stamford College Kathmandu, promoted by International School of Management and Technology Pvt. Ltd was established to offer globally recognized qualifications through a partnership with the University of East London, UK. The primary objective of Stamford College Kathmandu is to contribute to the improvement of Nepal's education system by offering education that is aligned with industry requirements. The institution aims to ensure that higher education is accessible and advantageous to individuals who possess the aspiration and aptitude to achieve success.

The College delivers programs to students who aspire to pursue career opportunities in computing, information technology, artificial intelligence, data science, and other fields. The college's faculty members are highly qualified and experienced, ensuring that students receive the most comprehensive education. The College features cutting-edge facilities and cutting-edge technology to give students a hands-on learning experience. The curriculum is intended to provide students with the expertise and knowledge they require for success in their chosen areas.

The College is committed to innovation that addresses the significant industry needs. We provide a stimulating, challenging, engaging, and creative atmosphere for higher education. This, we believe, will serve as a foundation for students' future personal and professional development.

The College collaborates extensively with relevant industries and professional groups to ensure that our graduates gain exposures and enhance necessary skills and knowledge to pursue the occupations to which they aspire.

Studying at Stamford College Kathmandu provides students with a unique opportunity for fascinating jobs at the forefront of the respective industry.





## Mission

To produce computing and IT professionals and leaders through creative, innovative and researched based education bridging the gaps between academia and industry.



## Vision

We envision Stamford College Kathmandu as a center of excellence for innovative, creative and researched based education fostering the culture of continuous learning, enhancing critical thinking and problem skill.



## University of East London

Since 1898, the University of East London has been paving the way for the future. The University of East London (UEL) is a public university in London, UK. The University is well-known for its excellent research programmes, making it one of the top research universities in the UK. This university has been proudly developing career-shaping skills for students for over 124 years. The UEL, with its motto "Knowledge and the Fulfillment of Vows," is committed to assisting its students in developing the skills, emotional intelligence, and creativity required to thrive in a rapidly changing world.

The University of East London is one of the finest universities in London and the university ranks among the top universities in the world. The University of East London is divided into six schools: the School of Architecture, Computing & Engineering, Arts & Creative Industries, Education & Communities, Health, Sport & Bioscience, Psychology, Royal Docks School of Business and Law. These schools provide University of East London undergraduate and postgraduate courses. The University of East London offers over 160 undergraduate programmes and over 120 postgraduate programmes to students.



University of  
East London

125 Years of  
Pioneering  
Futures

# ACADEMIC PARTNERSHIP





# PIONEERING FUTURES SINCE 1898



**#851-900**

QS World University Rankings



**163+**

Undergraduate programs



**122+**

Postgraduate programs



**Scholarship**

Available

## Course Overview

The BSc (Hons) in Computer Science program provides you with a gateway to a world of limitless possibilities in the world of computing and IT, with a strong focus on practical skills, creativity and innovation. This program is designed to cultivate your intellect and creativity in the dynamic field of computer science. Throughout your academic journey, you will explore a diverse range of topics, from foundational principles to cutting-edge advancements.

The curriculum encompasses various key domains within the field, such as Software Development, Artificial Intelligence, Web Technologies, Database Systems, Web and Mobile App Development, Computer Systems and Networks etc.

The course provides you in-depth exploration on each domain taught where you learn to develop user-friendly applications. Whether you aspire to develop groundbreaking software, tackle complex computational challenges, or drive innovation through technology, our BSc (Hons) Computer Science program provides the foundation and opportunities to transform your aspirations into reality.

# BIT

BSc (Hons)  
**Computer Science**





## Career opportunities

Pursuing a BSc (Hons) Computer Science degree can provide individuals with a diverse array of job prospects contingent upon their personal interests and aptitudes. Below are few career alternatives for your reference.

### Entry Requirement

- Complete Higher Secondary Education (+2 / A Levels) or Equivalent
- A Good Command in English Language

- Software Developer
- Computer Systems Analyst
- Hardware Engineer
- Network and Security Manager
- Computer Scientist
- Web Application developer
- Technical Consultant
- Systems Integrator

## YEAR 1, LEVEL - 4 (120 Credit)

### Semester I

- Information Systems Modeling and Design
- Software Development
- Maths for Computing

### Semester II

- Computer Systems and Networks
- Web Technologies
- Mental Wealth; Professional Life 1 (IT Project Pitching)

## YEAR 2, LEVEL - 5 (120 Credit)

### Semester III

- Database Systems
- Data Structure and Algorithms
- Web and Mobile App Development

### Semester IV

- Mental Wealth; Professional Life 2 (Computing in Practice)
- Advanced Programming
- Data Communications and Networks

## YEAR 3, LEVEL - 6 (120 Credit)

### Semester V

- Computer and Network Security
- Artificial Intelligence (AI)
- Mental Wealth: Professional Life (Project)

### Semester VI

- Advanced Topics in Computer Science
- Formal Methods
- Mental Wealth: Professional Life (Project)

NOTE: Modules and the way they are delivered are subject to change or align with the University's recommendation.

## Course Overview

The BSc (Hons) in Data Science and Artificial Intelligence (AI) provides you with the knowledge and skills necessary to harness the immense potential of data and AI. In this cutting-edge program, you'll gain a deep understanding of the fundamental concepts of data science, including Data Base Systems, Data Structures and Algorithms and Programming for Data Science where you explore the frontiers of data-driven decision-making and the limitless possibilities of machine intelligence.

The AI is the key attraction of this programme where you learn to apply your knowledge & skills to real-world problems or contexts, turning data into actionable insights and building intelligent systems. With a strong emphasis on practical skills, this course equips you to thrive in an era where Data is king and AI is the driving force behind innovation in each and every industry.

By the time you graduate, you'll be equipped not only with the technical prowess but also the critical thinking skills required to excel in a wide range of industries and become a leader in the field, shaping the future through data-driven decisions and cutting-edge AI innovations.



# BSc (Hons) Data Science and Artificial Intelligence





## Career opportunities

Pursuing a BSc (Hons) Computer Science degree can provide individuals with a diverse array of job prospects contingent upon their personal interests and aptitudes. Below are few career alternatives for your reference.

### **Entry Requirement**

- Complete Higher Secondary Education (+2 / A Levels) or Equivalent
- A Good Command in English Language

- Data Scientist
- Business Analyst
- Cloud Engineer
- Software Developer
- Data Engineer
- Data Analyst
- Machine Learning Engineer

## YEAR 1, LEVEL - 4 (120 Credit)

### Semester I

- Information Systems Modeling and Design
- Software Development
- Maths for Computing

### Semester II

- Computer Systems and Networks
- Maths for Computing
- Mental Wealth; Professional Life 1 (IT Project Pitching)

## YEAR 2, LEVEL - 5 (120 Credit)

### Semester III

- Database Systems
- Data Structure and Algorithms
- Artificial Intelligence

### Semester IV

- Business Intelligence Analysis
- Programming for Data Science
- Mental Wealth; Professional Life 2 (Computing in Practice)

## YEAR 3, LEVEL - 6 (120 Credit)

### Semester V

- Advanced Topics in Data Science and AI
- Project Management
- Mental Wealth: Professional Life 3 (Project)

### Semester VI

- Enterprise Architecture and Cloud computing
- Project Management
- Advanced Topics in Data Science and AI

*NOTE: Modules and the way they are delivered are subject to change or align with the University's recommendation.*

# Scholarship Source ««

## *Stamford College Kathmandu Scholarships*

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Scholarships are a type of financial assistance that assists students in covering the costs of their education. These awards are granted on the basis of several factors, such as academic achievement, financial necessity, or other relevant criteria. Stamford College Kathmandu

offers exclusive scholarships to students who choose to study in the educational programs offered by the institution. The scholarships offered by our institution aim to incentivize students, cultivate their abilities, and provide support throughout their educational endeavors. It is advisable for students to consult the college's official website or directly communicate with the financial aid office in order to obtain comprehensive details regarding the scholarships that are currently offered and the necessary procedures for application.

# Credit Transfer to



# Job Placement & Internship Opportunities

Job placement opportunities for IT students after graduation can be quite promising due to the increasing demand for skilled IT professionals in various industries. As technology continues to advance, organizations are seeking qualified individuals to manage their IT infrastructure, develop software applications, analyze data, and address cybersecurity challenges.

Here's how job placement opportunities for IT students typically unfold:

- » Academic Qualifications
- » Internships and Work Experience
- » Campus Placement Drives
- » Career Services and Placement Support
- » Online Job Portals
- » Industry Certifications
- » Networking and Professional Associations
- » Specialization and Skill Set
- » Market Demand

## PLACEMENT PARTNER





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