Optional Modules

Semester One	Credits
Bioinformatics	15 credits
Game Theory	15 credits

Semester Two	
Advanced Databases and Applications	15 credits
Advanced Web Technologies	15 credits
Medical Statistics	15 credits

Note: Students must choose one optional module each in Semester 1 and Semester 2 in Level 5 and Level 6.

Entry Requirements

Academic : 10+2/A Level/CBSE or equivalent 55% and above aggregate score.

University Entry : 70% and above with a minimum of 65% in each subject for Direct Entry to Level 4

Language : Minimum 70% in English and an IELTS Score of 6.0 with no less than 5.5 in any band.

MSc Advanced Computer Science

The MSc in Advanced Computer Science gives the in-depth knowledge and cutting-edge skills required for careers where advanced computer systems are used to solve difficult business goals. It further enables students to control complex processes and equipment, and undertake deep and detailed analysis, management, and presentation of data.

The rising profile of AI, global cyber security, social media safety, and tech's role in understanding and tackling some of society's biggest challenges, such as climate change and pandemic modelling, is fuelling the demand and interest in computer science. As such the course covers a wide range of practical skills and theory.

Level 7: BIC-Keele Programme

Semester 1	
User Interaction Design	15 credits
Distributed Intelligent Systems	15 credits
Data Analytics & Databases	15 credits

All students choose one of the following optional modules.

Optional Modules

System Design & Programming	15 credits
Research Horizons	15 credits

Semester 2	
Cloud Computing	15 credits
Web Technologies and Security	15 credits
Collaborative Application Development	15 credits
Research and Consultancy Skills for Consultants	15 credits

Semester 3	
Academic Project	60 credits

Entry Requirements

Academic : A 2nd class honours degree (or overseas equivalent) or equivalent recent and relevant industrial work experience.

Language : IELTS 6.5 with a minimum of 5.5 in each component. The University also accepts a range of internationally recognised English tests.

For further information on the programme, scan the QR

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Intakes

We offer the following two intakes:

January/February   **August/September**

British International College

For admission enquiries, visit:

Trade Tower, Thapathali
Kathmandu, Nepal

Manidwon, Chakupat
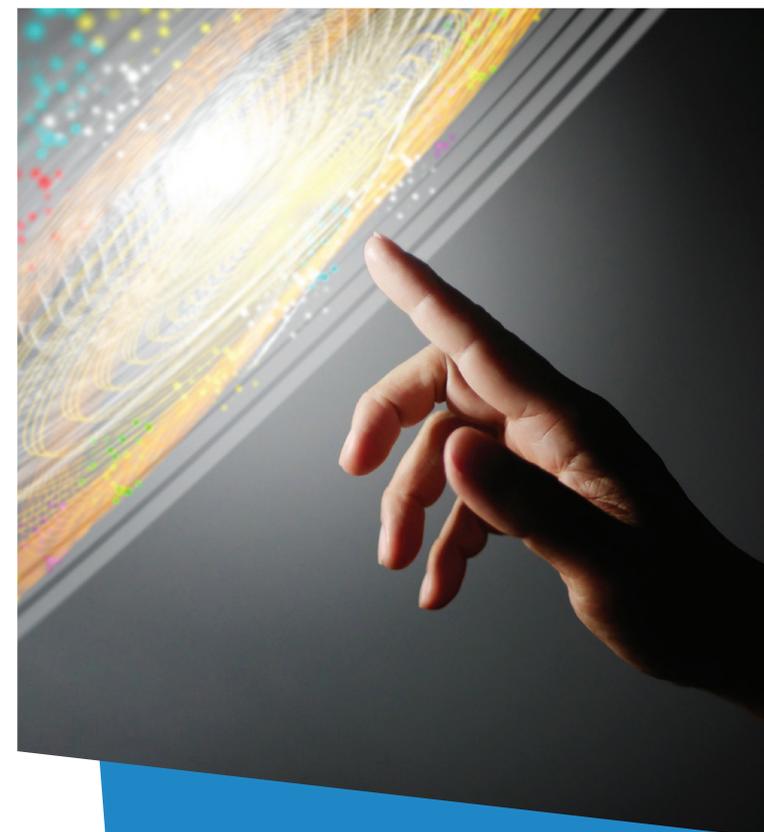Lalitpur, Nepal

or, contact:
+977 (1) 5970003
+977 (1) 5261660

info@thebritishcollege.edu.np
www.thebritishcollege.edu.np

Accelerating Digital Transformation

Keele University is a franchised partner of British International College (BIC). BIC is a sister concern of The British College.

Partner University

Keele University, UK

Founded in 1949 by the former Vice-Chancellor of the University of Oxford, with the goal of overcoming the division between arts and sciences, Keele has always been different from other universities. And over its 70-year history, Keele has shown that they are unique in being excellent at both teaching and research, with a gold award in the Teaching Excellence Framework, some of the most satisfied students in England, and with 97% of their research being classified as world-leading or of international importance in the most recent UK Research Excellence Framework.

Keele UNIVERSITY 7

32nd Guardian League Table 2023

501–600th THE World University Rankings 2023

for more info, visit: *www.keele.ac.uk*

BSc (Hons)
Data Science*

The BSc (Hons) Data Science (*Subject to Validation) Degree delivered at The British International College in partnership with Keele University, UK has been designed for students with an interest in applying data science and computing to a wide range of theoretical and real-world problems.

Level 3/Year 0 : International Foundation Programme*

Semester 1	
Academic English and Effective Communication	15 Credits
Introduction to Programming	15 Credits
Mathematics for Computing	15 Credits
Computer Fundamentals and Network	15 Credits

Semester 2	Credits
Academic English and Effective Communication	15 Credits
Internet Technologies	15 Credits
Fundamentals of Multimedia	15 Credits
Fundamentals of Data Science	15 Credits

The International Foundation Programme is awarded by University of the West of England (UWE, Bristol).

Level 4: BIC-Keele Programme (Year 1/L4)

Semester 1	
Programming I - Programming Fundamentals	15 credits
Introduction to Data Science I	15 credits
Introduction to Statistics and Software	15 credits
Mathematical Techniques for Data Science	30 credits

Semester 2	
Communication, Confidence and Competence	15 credits
Introduction to Data Science II	15 credits
Statistics	15 credits

Level 5: BIC-Keele Programme (Year 2/L5)

Semester One	Credits
Programming II - Data Structures and Algorithms	15 credits
Computational and Artificial Intelligence I	15 credits
Visualisation for Data Science	15 credits

Semester Two	
Database Systems	15 credits
Applied Deep Learning	15 credits
Professional Mathematics and Data Science	15 credits

Optional Modules

Semester One	Credits
Web Technologies	15 credits
Probability	15 credits
Individual Study Topic in Computer Science	15 credits

Semester Two	
Advanced Programming Practices	15 credits
Software Engineering	15 credits
Linear Statistical Models	15 credits
Operational Research	15 credits

Level 6: BIC-Keele Programme (Year 3/L6)

Semester One	Credits
Machine Learning Applications	15 credits
Data Mining	15 credits

Semester Two	Credits
Third Year Double Project - ISP	30 credits
Computational and Artificial Intelligence II	15 credits
Data Ethics and Security	15 credits

About us

British International College (BIC)

Welcome to The British International College! Running in partnership with The British College, we are working with Keele University, UK to offer two brand new courses: BSc (Hons) Data Science and MSc Advanced Computer Science - both of which offer students the opportunity to study in Nepal and receive a globally recognised qualification from a British university.

About The British College

The British College provides world-class education in Nepal for students who aspire to gain internationally recognised qualifications from UK Universities. In this regard, we have a distinctive identity as the pioneering global College in Nepal and pride ourselves on offering courses which are relevant to the current job market and enhance each and every student's employability.