MSc IT
MSc Information and Technology

Awarded by:
Leeds Beckett University

Pre-Masters Programme

The Pre-Masters programme is suggested to be succesfully completed before joining the University's Programme. It is structured as follows:

Academic English	10 Credits
Research Methodology	10 Credits
Technology, Information Systems & Digital Innovation	20 Credits
Introduction to Data Analytics	20 Credits

University Programme

Semester 1

Managing Information in the Digital and Global Environment (MIDGE)	20 Credits
Research Practice	20 Credits
Elective Options (Choose One)	
Intelligent Systems & Machine Learning	20 Credits
Intelligent Systems and Robotics	20 Credits
Smart Systems	20 Credits
Data Analysis and Visualisation	20 Credits
Simulation and Modelling	20 Credits
Cloud Computing Development	20 Credits

Semester 2

Project Management	20 Credits
Database Systems and Approaches	20 Credits
Elective Options (Choose One)	
Critical Perspectives on Information	20 Credits
Data Warehouse Models and Approaches	20 Credits
Network and Convergence Architectures	20 Credits
Lean and Agile Engineering	20 Credits

Semester 3

Dissertation	60 Credits

MSc Advanced Computer Science

Awarded by:
Keele University

University Programme

Semester 1

Research Horizons	15 Credits
Mathematics for AI and Data Science	15 Credits
Elective Options (Choose two)	
Cloud Computing	15 Credits
Distributed Intelligent Systems	15 Credits
Advanced Programming in Python	15 Credits
Human Factors of Cyber Security	15 Credits

Semester 2

Elective Options (Choose four)	
Collaborative Applications Development	15 Credits
Visualization of Data Analytics	15 Credits
Data Analytics and Databases	15 Credits
Applications of AI, Machine Learning, and Data Science	15 Credits
Cryptography	15 Credits
Cyber Security	15 Credits

Every student must take the required number of modules from each elective option. Which module you take will depend on how much computer programming experience you have and will be decided in a meeting with the Programme Directors at the start of the course.
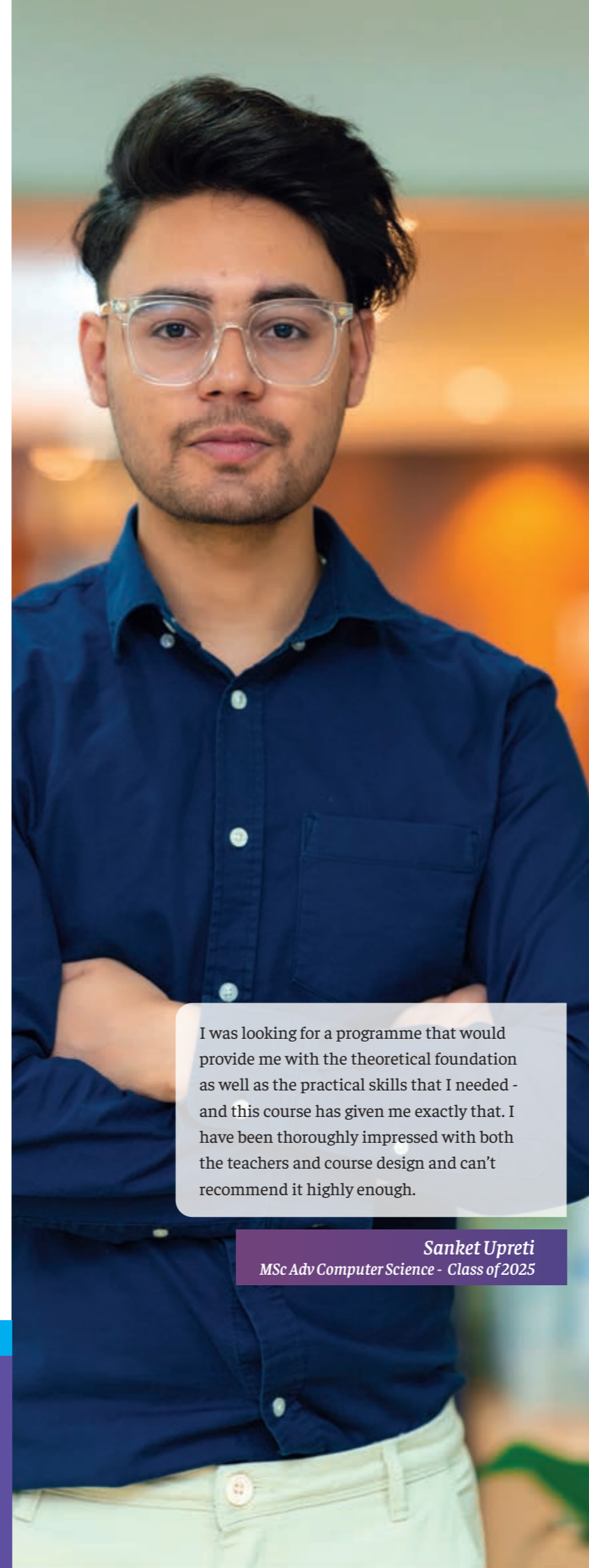
Semester 3

Industrial Placement (or)	60 Credits
MSc Project	60 Credits

- After students have completed the taught modules they must undertake a formal academic project supervised by an academic staff member, and apply the skills they have learned during the taught modules.
- The student will decide together with their academic supervisors what type of project they will complete, based on their performance during the taught modules.
- The MSc Project assessment is based largely on a substantial final written report of 10,000 - 15,000 words.

We are a proud academic learning partner of

CISCO Networking Academy

Microsoft Innovation Center

EC-Council

ORACLE ACADEMY

aws academy

Member Institution

Your Future

After graduating from **MSc Information and Technology**, student can embark on a range of careers in the field of IT, including:

- IT Faculty
- IT Project Manager
- Chief Information Officer/ Chief Information Security Officer
- Senior Software Engineer
- Data Analysts
- Database Administrator
- Web Developer

After completion of the academic degree from The British College, **MSc Advanced Computer Science** embarks your career position in following roles:

- Data/Application Analyst
- Computer Programmer
- System Engineer
- Technical Manager
- Mobile Developer

Entry Requirements

Pre-Masters :	A Bachelor degree or equivalent from a recognised university
Duration :	Pre-Masters + 3 Semesters
Direct Entry :	A pass in TBC's Pre-Masters degree and IELTS 6.0 with no skills below 5.5 (Students meeting university entry criteria can join directly to the University programme)
Work Experience :	At least 2 years managerial work experience following completion of Bachelors

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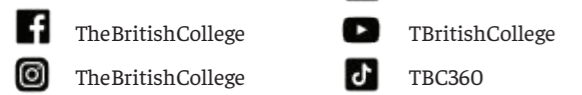Head of the School of Computing
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Postgraduate Programmes

MSc IT
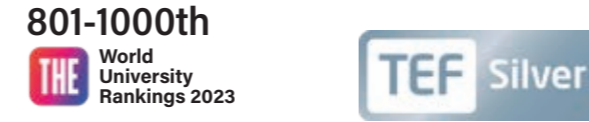MSc Information and Technology

MSc Advanced Computer Science

Leeds Beckett University (LBU)

With a history dating back to 1824, Leeds Beckett is a world-class university that has an overall five-star rating by QS World University Rankings 2021. The University works with a host of businesses to ensure their research and courses are contemporary, rich and relevant, and meet the career ambitions of their students. Their reputation for excellence is reflected in their 23,000 strong student body, which is made up of students from 143 countries worldwide. LBU offers the opportunity for select institutions around the globe to teach their courses, and we are very proud to be one of them. Here at TBC we offer the BSc (Hons) Computing, BSc (Hons) Hospitality Business Management, MBA (Graduate), MBA (Executive) and MSc Information Technology which are all awarded by Leeds Beckett University (LBU).
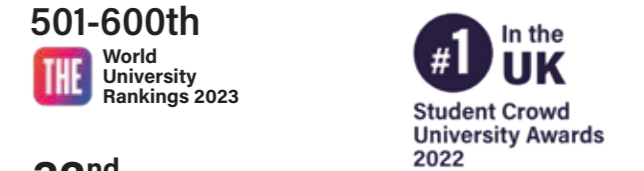
University Rankings and Reputation

801-1000th
World University Rankings 2023

TEF Silver

QS STARS RATING SYSTEM
★★★★★

#96 in Computer Science Courses
THE COMPLETE UNIVERSITY GUIDE

Keele University

Keele University was established in 1949 and is now the largest campus-based University in the UK. It has a reputation for providing an excellent student experience, as evidenced by winning "The Best University in the UK" award in the nationwide Student Crowd Awards, and is a Gold awarded institution under the UK Teaching Excellence Framework. Keele has a global network of over 100,000 alumni in 120 countries and is now also a franchised partner of the British International College, a sister concern of TBC. At the British International College (BIC), we currently offer two programmes awarded by Keele University: BSc (Hons) Data Science and MSc Advanced Computer Science.

University Rankings and Reputation

501-600th
World University Rankings 2023

#1 In the UK
Student Crowd University Awards 2022

32nd
Guardian League Table 2023

Application Checklist:

To make sure that you have everything you need when applying for a course at TBC, please follow the application checklist below.

Documents to bring with you to TBC

- A completed application form
- Proof of identification (Citizenship, Passport)
- Statement of purpose (250 words minimum)
- Four passport size photographs
- Copy of updated curriculum vitae
- Evidence of any work experience
- Scholarship application form (if applicable)
- Signed payment plan
- Academic certificates (original transcripts and diplomas)
- Certified copies of academic certificates (if you are unable to have these certified before enrolling, then please bring photocopies with you and the staff at TBC will be happy to certify them for you).

Please note that copies of the above will be kept in your personal file at The British College.

As an international student it was really important for me to understand all of the lessons, and at TBC that was never a problem. I experienced top quality, hands-on teaching that helped me to think more professionally and understand how to use my expertise to apply for future opportunities.

Yuxu Chai, China
Alumni, MSc IT - 2020

Duration | MSc IT
6 Months - Pre-Masters Programme
18 Months - University Direct Entry

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Welcome to 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 International College in Nepal. We offer internationally recognised degrees and courses which are relevant to the current job market, enhancing each and every student's employability.

We attract the best and the brightest students and, consequently, TBC offers an unforgettable academic experience transcending international boundaries with thought-provoking incision. Being the pioneering International College in Nepal, we also provide our students with unparalleled international exposure and experiences.

The defining characteristic of The British College is the local-to global approach we take in the provision of our degrees and courses. Student exchange programmes and internships with multi-national companies serve as highlights of this unique student experience. Staffed by tutors and administrative personnel from the UK and Nepal, the College provides the best international education in Nepal.

The British College offers Undergraduate Programmes and Postgraduate Programmes which are awarded by two UK universities:

> The University of the West of England (UWE) and
> Leeds Beckett University (LBU)

Why Study at The British College

- Get value for money with a quality UK degree at a local cost. Gain the same prestigious UK degree at one fifth of the price.
- The student will earn a direct university degree rather than a degree awarded through a third party.
- To ensure that students get the education they deserve we have staff with international academic qualifications from the UK, USA, Australia and India. We are dedicated in providing students with the complete international learning experience.
- Linked with various academic institutions, TBC students have access to regular guest lecturers and speakers from the UK and other countries as well as from reputed corporate houses and public institutions in Nepal.
- Our overall quality (student experience, academic standards, and programme delivery) is underpinned by adherence to the UK Quality Assurance Agency's Quality Code.
- TBC Students (undergraduate) will have an option to transfer to the UK after completing 1 to 2 years and be eligible for a 2 years post-study work visa*. (*Subject to the UK Government policies)
- We are the only educational institution in Nepal to be accredited by the British Accreditation Council (BAC) as an Independent Higher Education Institution.